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LONG DURATION EXPOSURE FACILITY
SOLAR ILLUMINATION DATA PACKAGE

LONG DURATION EXPOSURE FACILITY
SOLAR ILLUMINATION DATA PACKAGE

PREPARED FOR THE ORBITAL ENVIRONMENT DATA GROUP
BY:

William M. Berrios
NASA/LaRC
MS 434
Hampton, Va. 23665-5225
Ph. (804) 864-7183

&

Thomas Sampair
Lockhed Corp.
MS 904
144 Research Dr.
Hampton, Va. 23666
Ph. (804) 766-9633

LONG DURATION EXPOSURE FACILITY
SOLAR ILLUMINATION DATA PACKAGE

1. INTRODUCTION

A post-flight solar illumination data package has been created by the LDEF thermal analysis data group in support of the LDEF science office data group. The data presented in this package has been prepared with the Thermal Radiation Analysis System (TRASYS) program. Ground tracking data was used to calculate daily orbital beta angles for the calculation of resulant fluxes. This data package will be useful in calculation of solar illumination fluent for a variety of beta angle orbital conditions encountered during the LDEF mission.

2. SOLAR ILLUMINATION FORM FACTORS

The solar illumination form factors presented in this data package are normalized factors for the calculation of solar fluent into the LDEF external surfaces. The illumination factors were calculated with the Thermal Radiation Analysis System II program. The form factors represent the effective surface area exposed to sunlight as the sun illumination vector deviates from the normal of its plane. Form factors values are from 1.00 @ 90° (normal to the plane) to 0.00 @ 0° (parallel to the surface plane). Factors for vectors incident from the backside of the surface are equal to zero. Form factors are also zeroed out when the surface is being shaded by the planet.

When the values from these tables are multiplied by the solar fluent, the result will provide the total solar incident fluent for that location of the LDEF referenced to orbital location. A 10° bias of the leading edge towards row 10 has been incorporated in the calculated values.

The form factors have been calculated in this manner in order to facilitate calculation of solar incident fluent for any solar constant present at that point in the orbit. Results are presented in tabular and graphical form in all cases and include:

A. Daily averaged curves for a typical 390 days of the LDEF mission.
B. One orbit detailed solar incident for orbital beta angle inclinations from -52° to 52° in increments of 10°.
C. Orbit beta angle track curves for the LDEF $5\frac{1}{2}$ year mission.

3. ALBEDO FORM FACTORS

The albedo form factors are listed separately from the illumination form factors. This facilitates use of the solar and/or albedo fluent as it applies to the particular case being studied. Values presented in this report are available in ascii format and can be supplied upon request to the LDEF science office.

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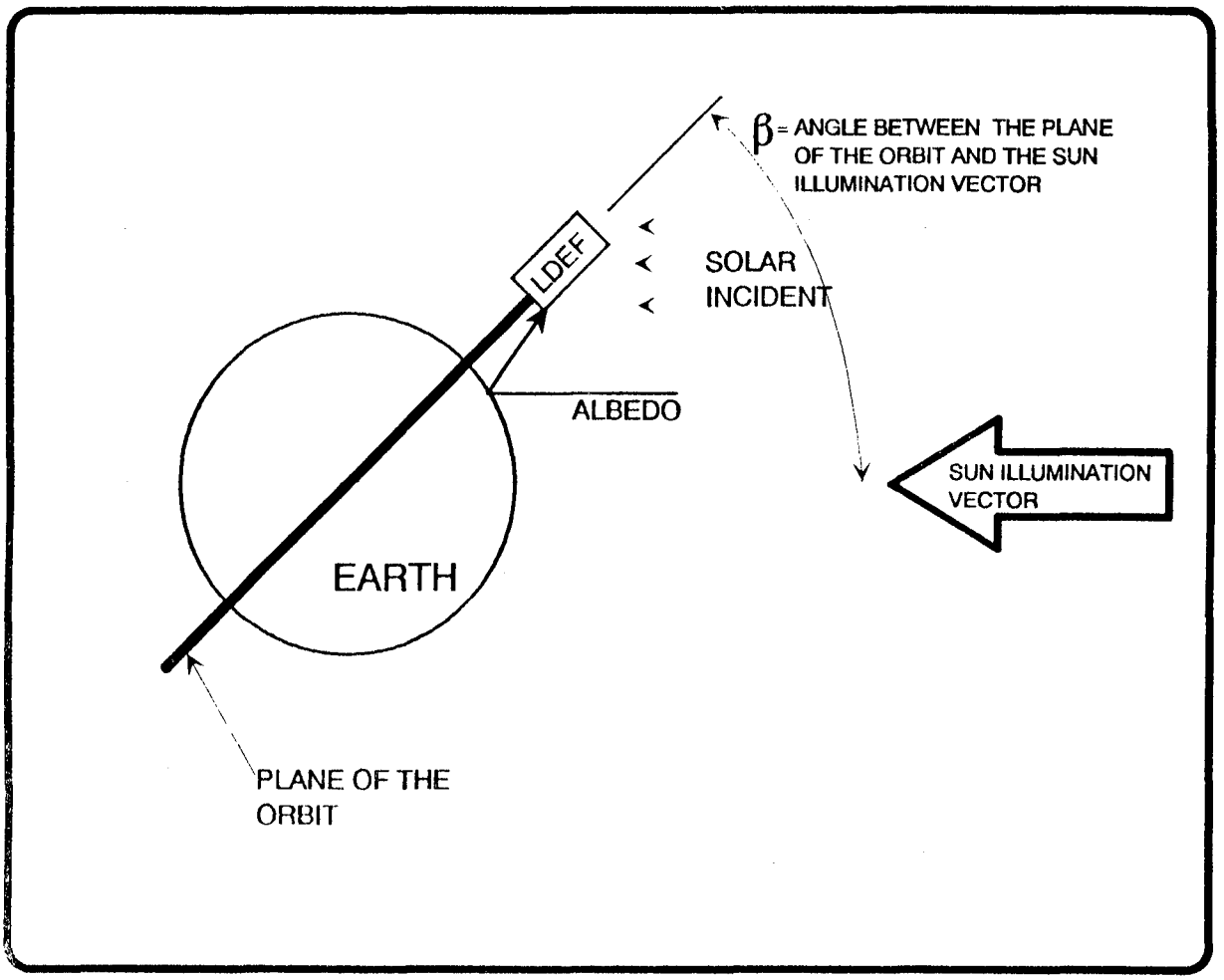
LONG DURATION EXPOSURE FACILITY

DESCRIPTION OF BETA ANGLE β (ORBIT ANGLE) AND SOLAR ILLUMINATION AS EXPERIENCED BY THE LDEF DURING ORBIT



BETA ANGLE= (β) Angle between the plane of the orbit and the sun illumination vector.
SOLAR INCIDENT= Direct illumination from the sun.
ALBEDO= Illumination due to the portion of the solar incident energy reflected from the planet into the LDEF.

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LONG DURATION EXPOSURE FACILITY
SOLAR ILLUMINATION DATA PACKAGE

WHAT'S INCLUDED IN THIS PACKAGE

SOLAR ILLUMINATION FORM FACTORS

> SOLAR & ALBEDO

FORM FACTORS @ 10° YAW (ALL ROWS/ENDS)

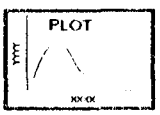
ONE ORBIT DETAILED
- 10° BETA ANGLE INTERVALS
(-52°,-40°,-30°,-20°,-10°,0°,10°,20°,30°,40°,52°)

PLOT

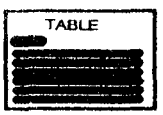
TABLE

DAILY AVERAGE
(ONE YEAR SEASONAL CYCLE)

PLOT



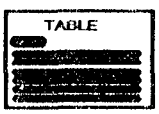
TABLE



> SOLAR & ALBEDO

ORBIT AVERAGE

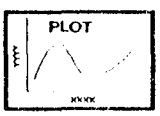
TABLE



ORBIT ANGLE

ORBIT BETA ANGLE
- FULL MISSION
- 1 YEAR INTERVALS

PLOT



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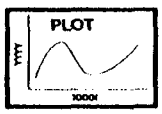
LONG DURATION EXPOSURE FACILITY
SOLAR ILLUMINATION DATA PACKAGE

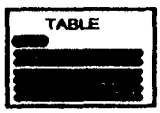
SOLAR ILLUMINATION FORM FACTORS
> SOLAR & ALBEDO

FORM FACTORS @ 10° YAW (ALL ROWS/ENDS)

DAILY AVERAGE

(ONE YEAR SEASONAL CYCLE)





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LONG DURATION EXPOSURE FACILITY
SOLAR ILLUMINATION DATA PACKAGE

SOLAR ILLUMINATION FORM FACTORS
> SOLAR & ALBEDO

FORM FACTORS @ 10° YAW (ALL ROWS/ENDS)

DAILY AVERAGE

(ONE YEAR SEASONAL CYCLE)

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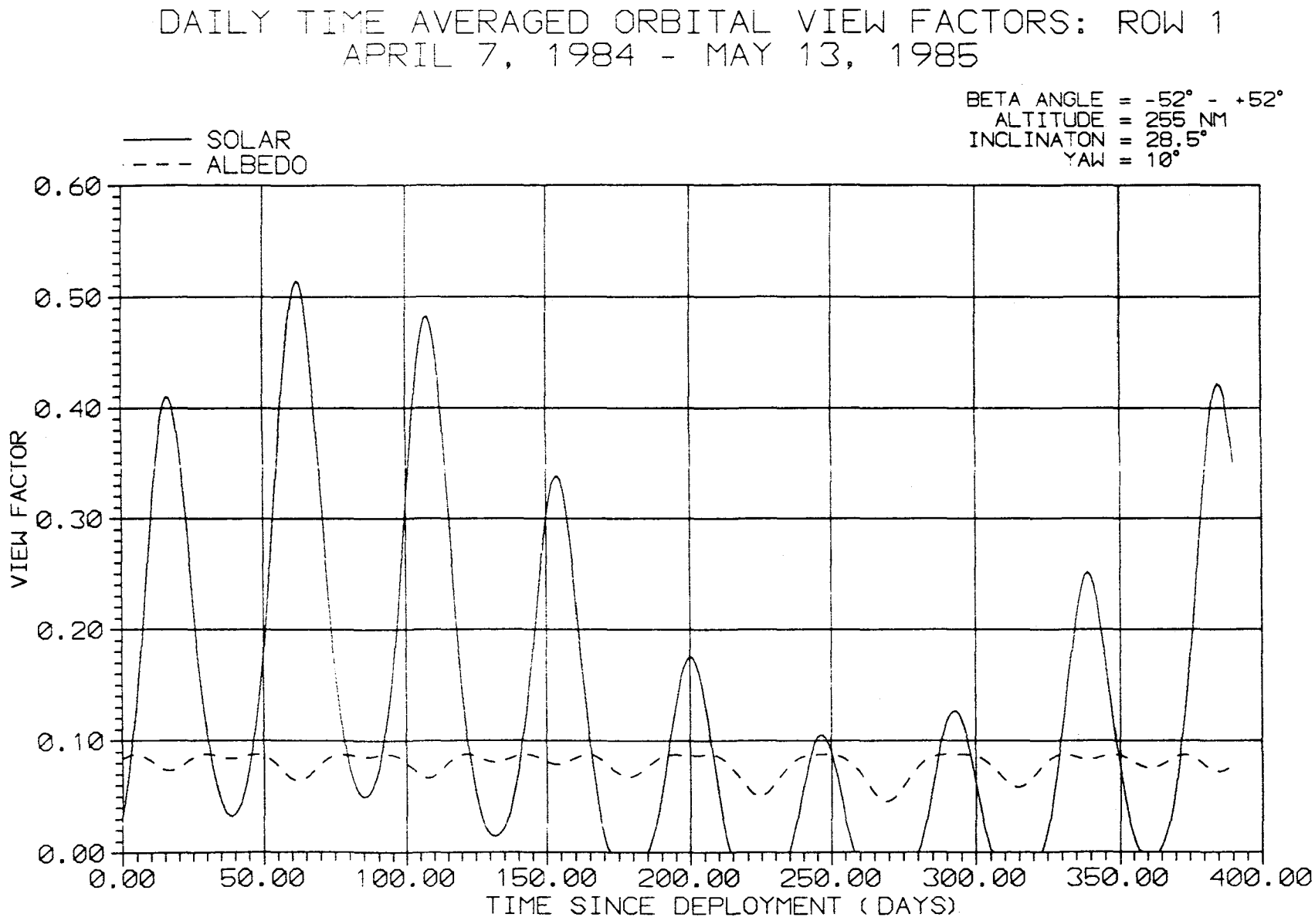
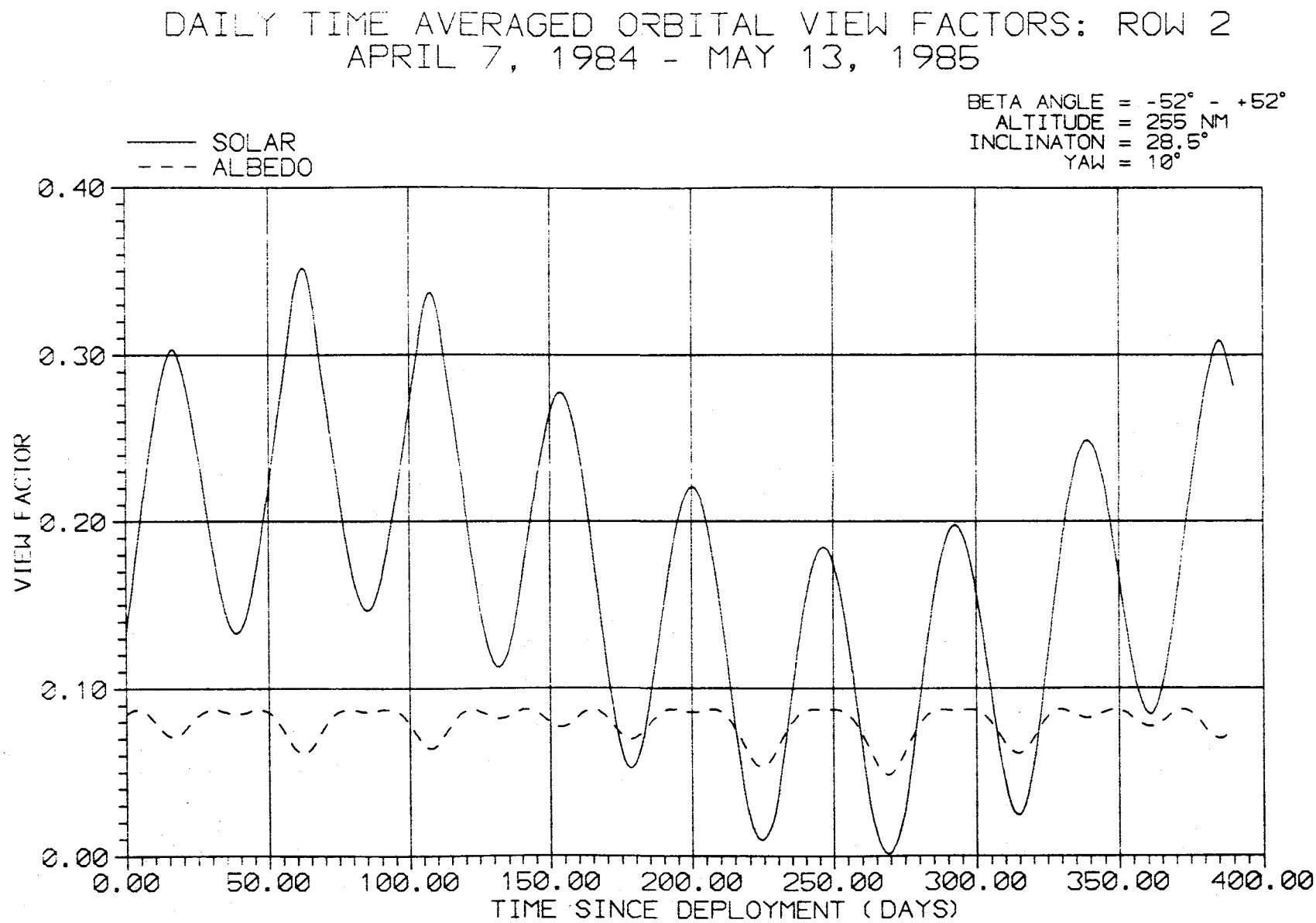
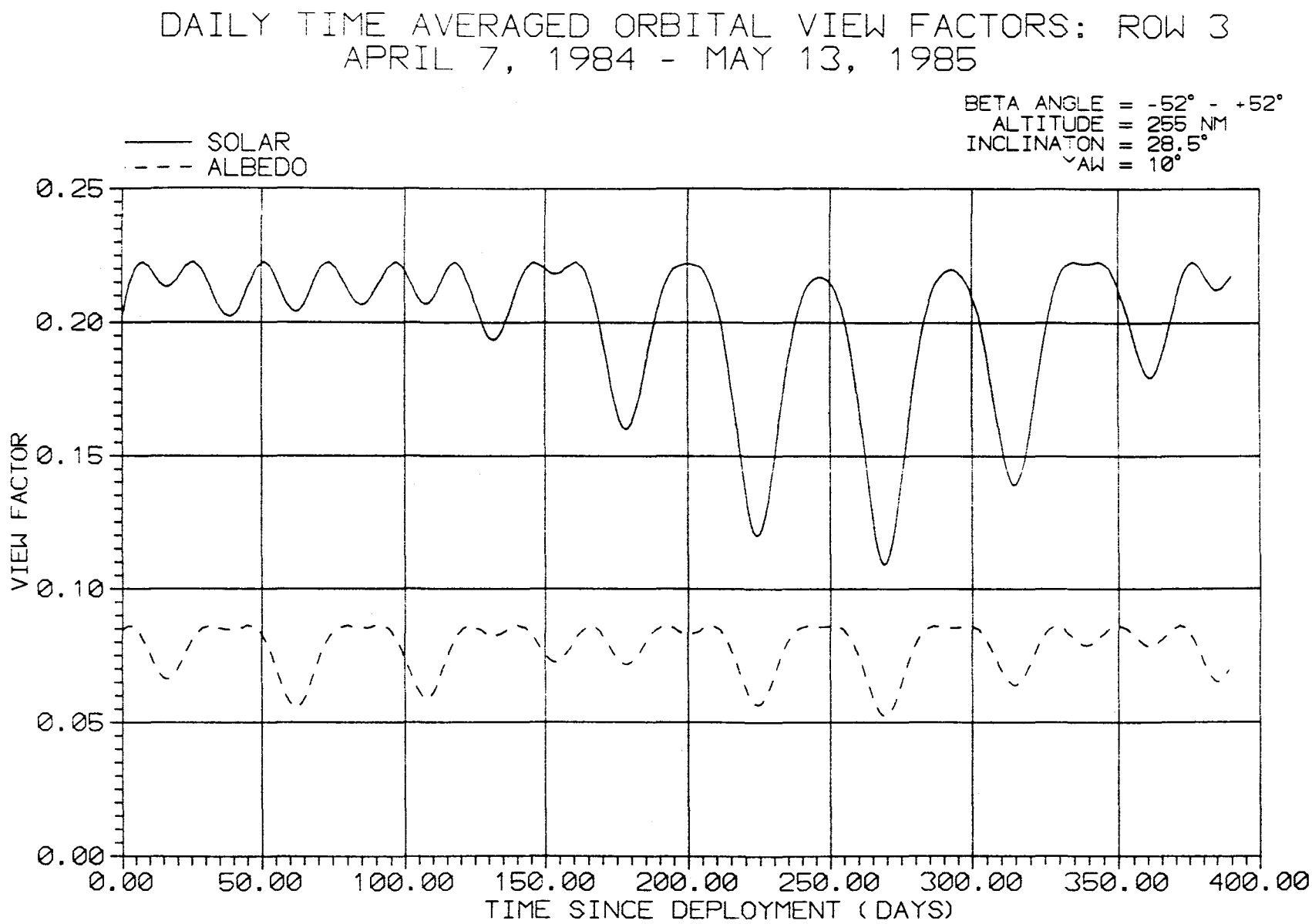
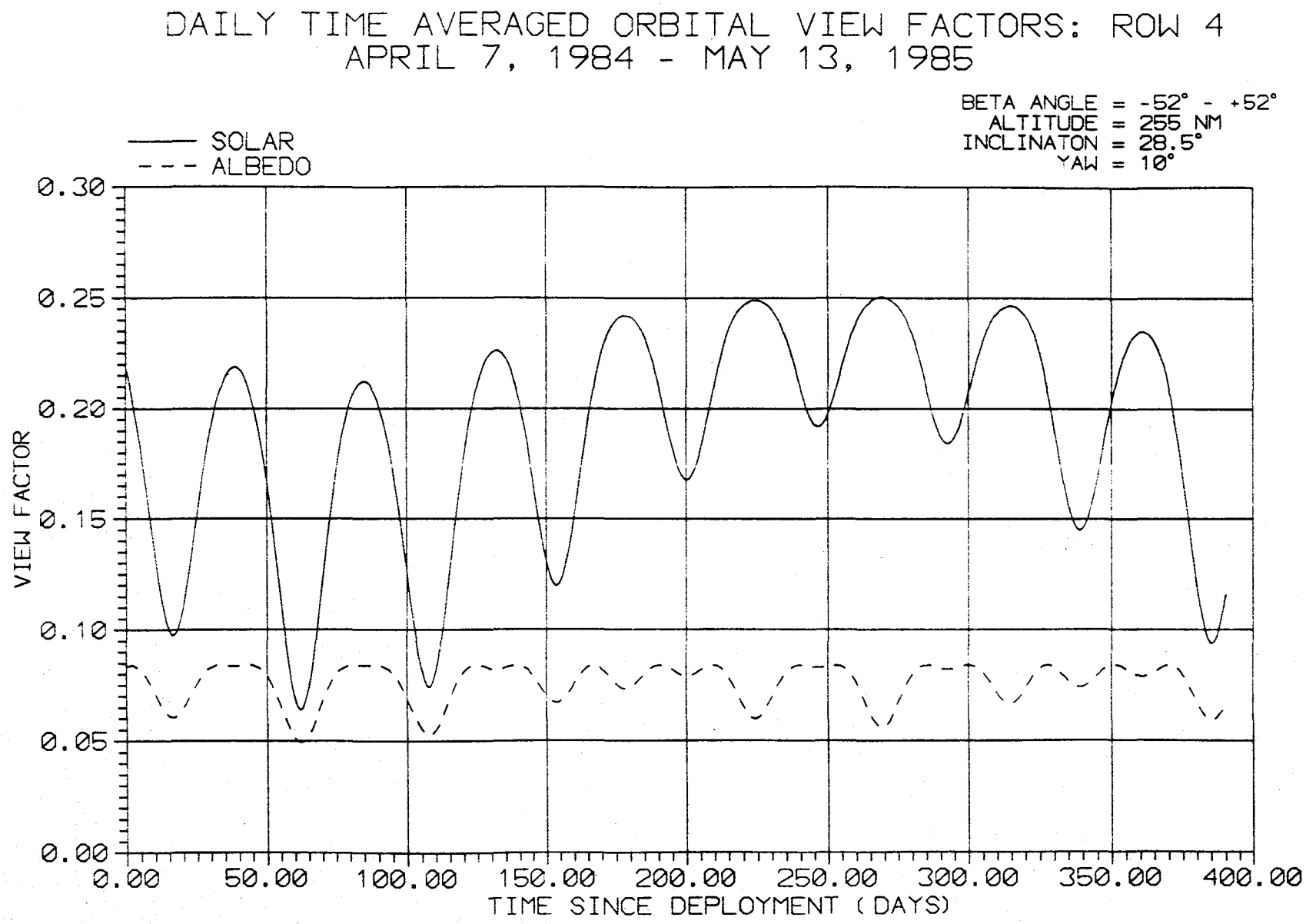
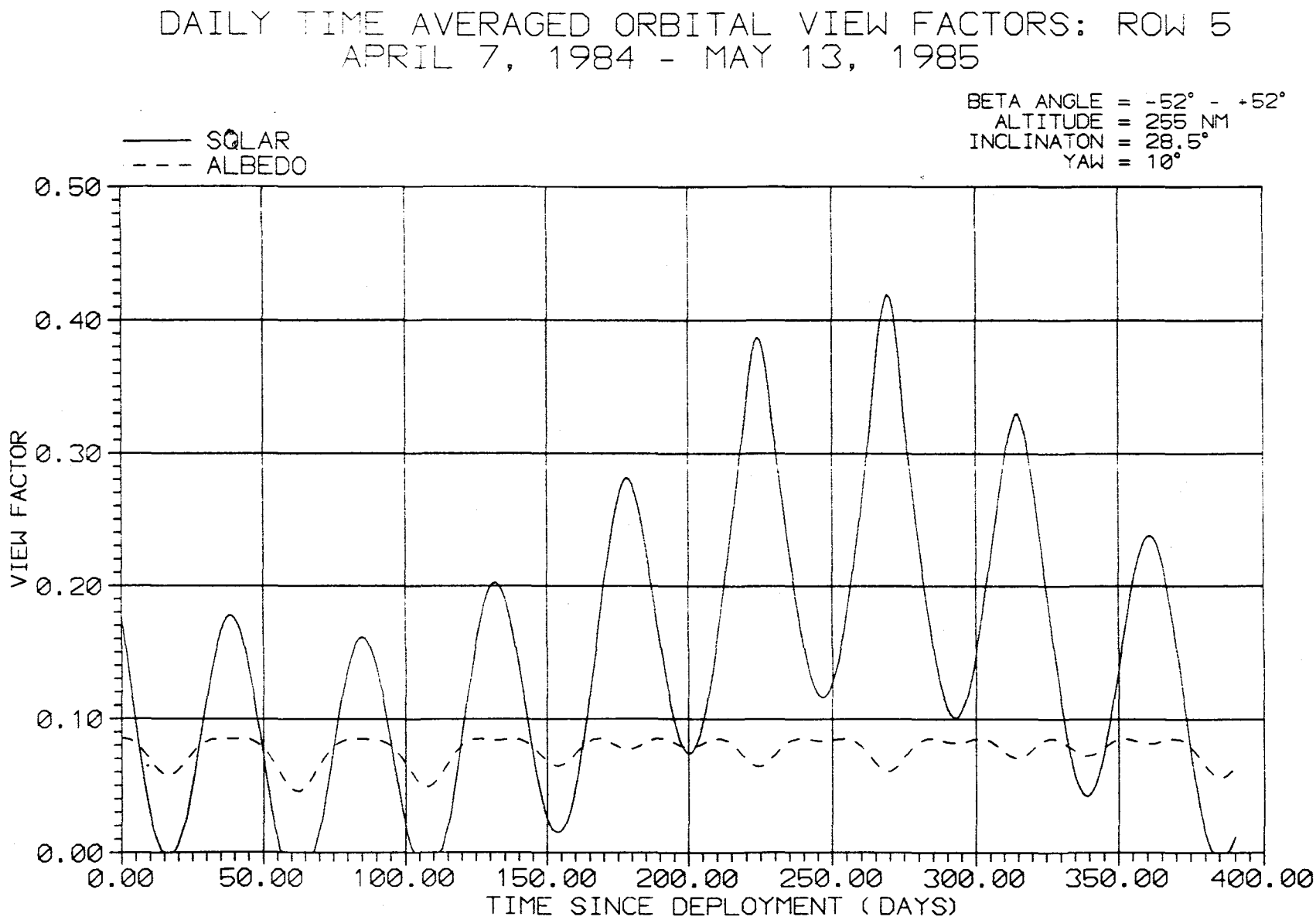
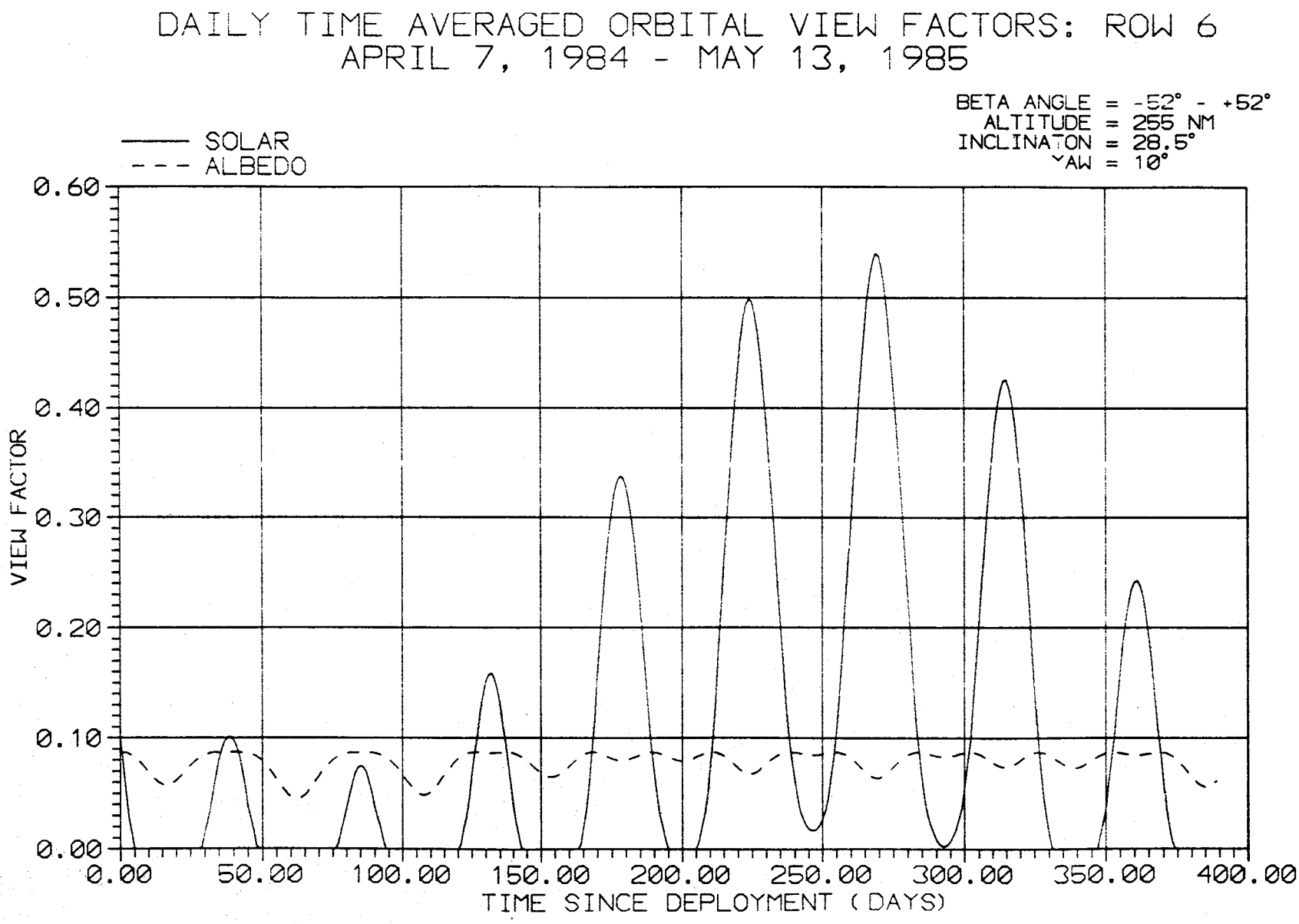

DAILY TIME AVERAGED ORBITAL VIEW FACTORS: ROW 1
APRIL 7, 1984 - MAY 13, 1985
BETA ANGLE = -52° - +52°
ALTITUDE = 255 NM
INCLINATON = 28.5°
YAW = 10°
SOLAR
ALBEDO
VIEW FACTOR
0.60
0.50
0.40
0.30
0.20
0.10
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
TIME SINCE DEPLOYMENT (DAYS)

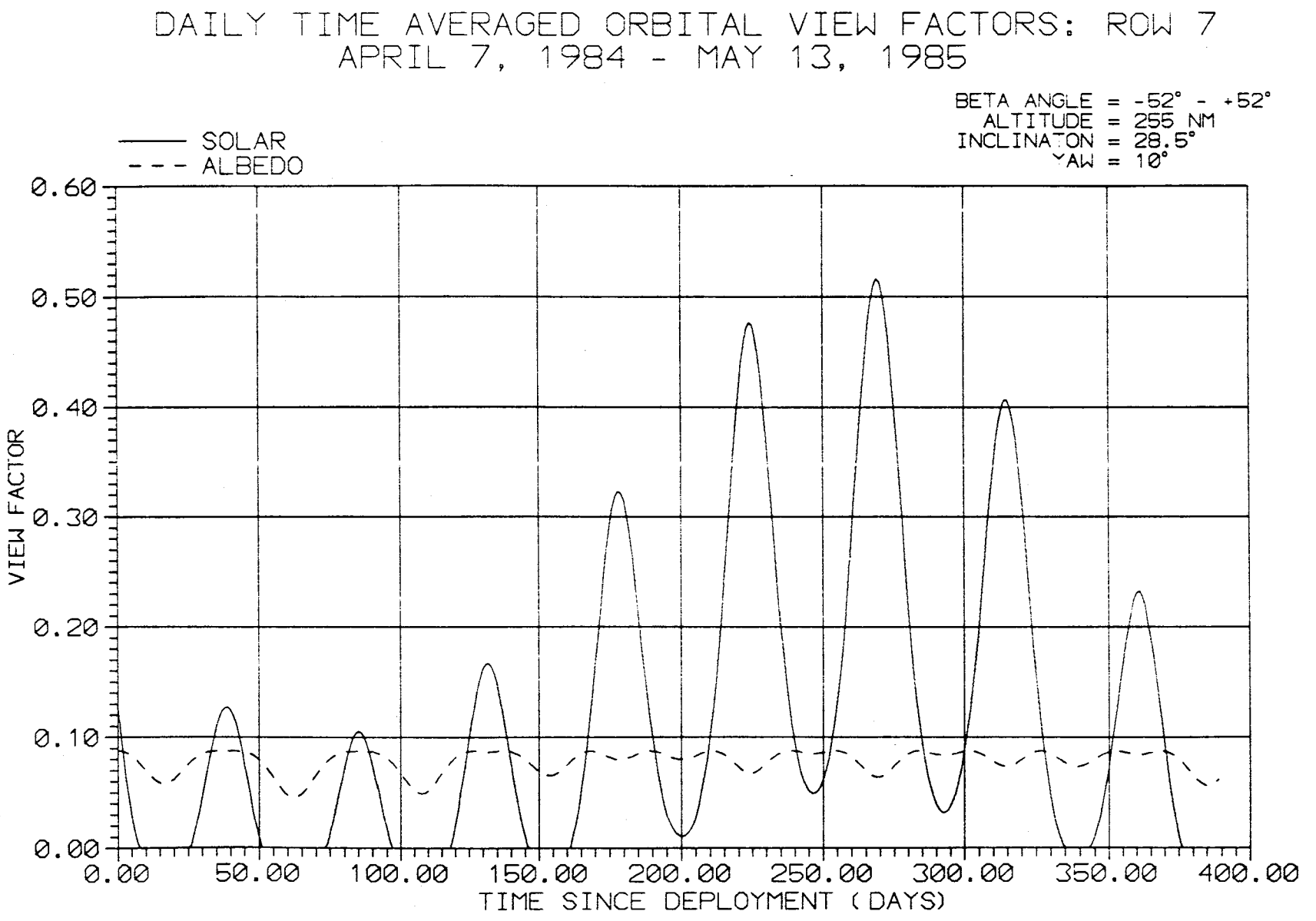

DAILY TIME AVERAGED ORBITAL VIEW FACTORS: ROW 2
APRIL 7, 1984 - MAY 13, 1985
BETA ANGLE = -52° - +52°
ALTITUDE = 255 NM
INCLINATON = 28.5°
YAW = 10°
SOLAR
ALBEDO
VIEW FACTOR
0.40
0.30
0.20
0.10
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
TIME SINCE DEPLOYMENT (DAYS)

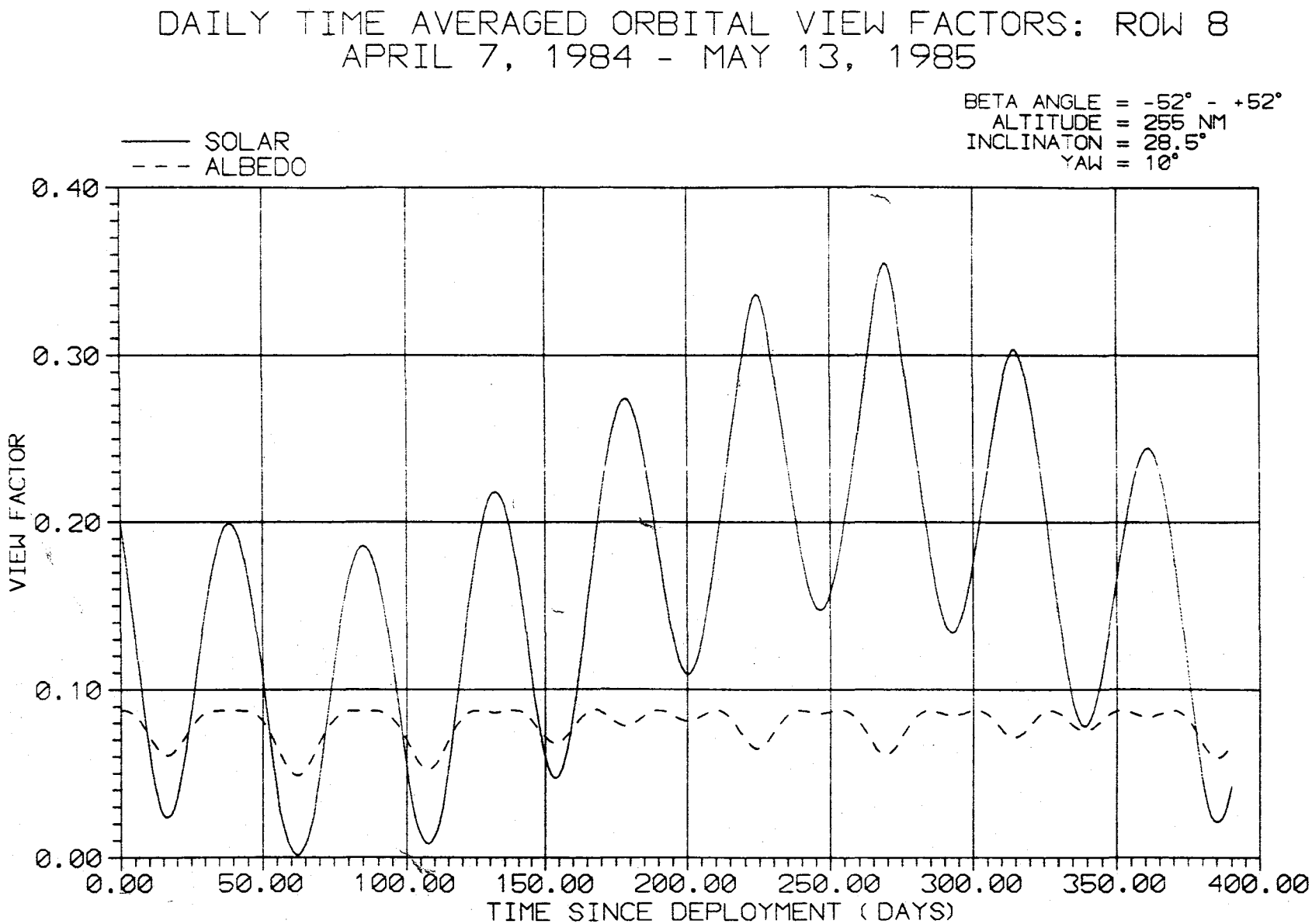

DAILY TIME AVERAGED ORBITAL VIEW FACTORS: ROW 3
APRIL 7, 1984 - MAY 13, 1985
BETA ANGLE = -52° - +52°
ALTITUDE = 255 NM
INCLINATION = 28.5°
YAW = 10°
SOLAR
ALBEDO
VIEW FACTOR
0.25
0.20
0.15
0.10
0.05
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
TIME SINCE DEPLOYMENT (DAYS)

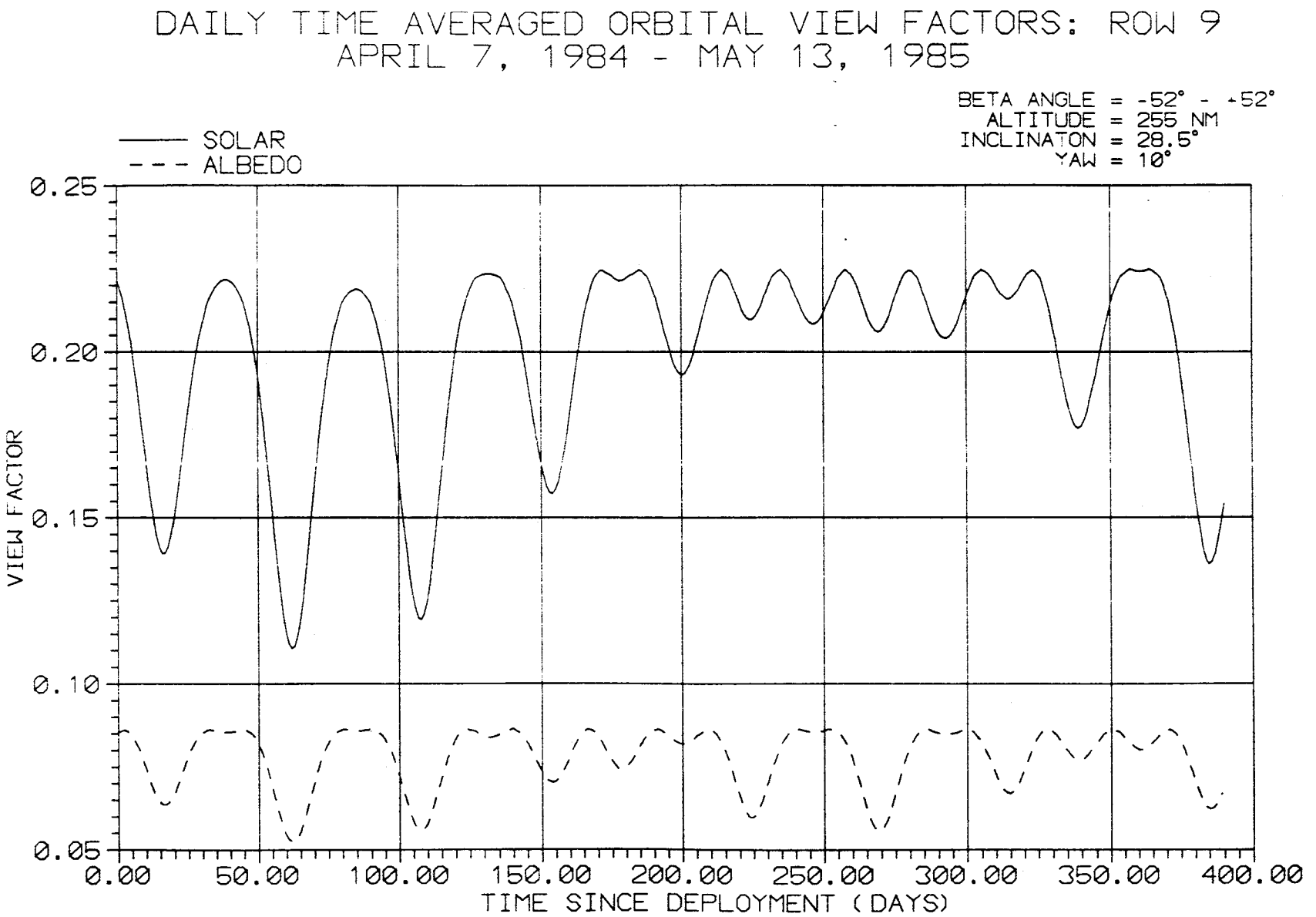

DAILY TIME AVERAGED ORBITAL VIEW FACTORS: ROW 4
APRIL 7, 1984 - MAY 13, 1985
BETA ANGLE = -52° - +52°
ALTITUDE = 255 NM
INCLINATON = 28.5°
YAW = 10°
SOLAR
ALBEDO
VIEW FACTOR
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
TIME SINCE DEPLOYMENT (DAYS)

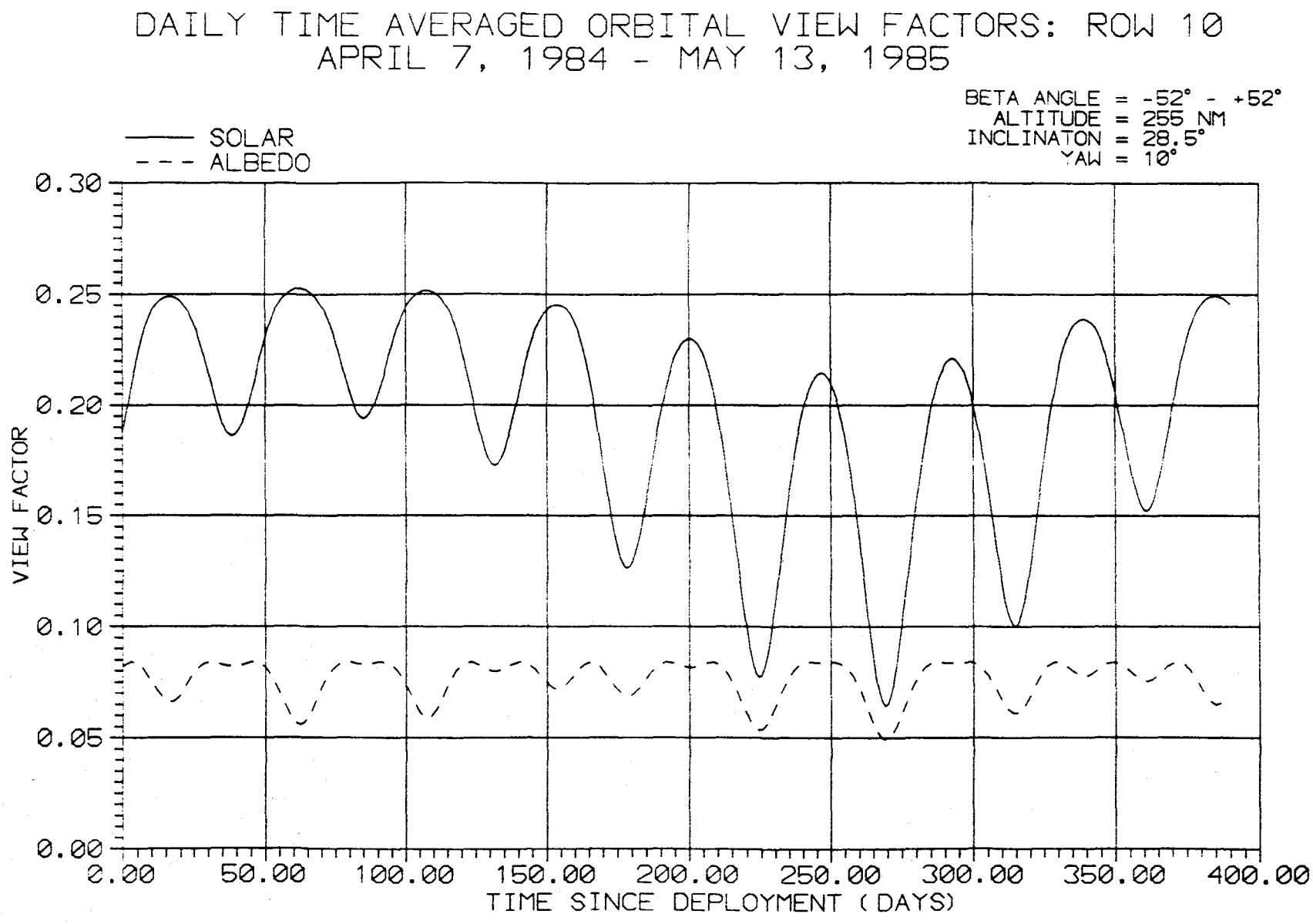

DAILY TIME AVERAGED ORBITAL VIEW FACTORS: ROW 5
APRIL 7, 1984 - MAY 13, 1985
BETA ANGLE = -52° - +52°
ALTITUDE = 255 NM
INCLINATON = 28.5°
YAW = 10°
SOLAR
ALBEDO
VIEW FACTOR
0.50
0.40
0.30
0.20
0.10
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
TIME SINCE DEPLOYMENT (DAYS)

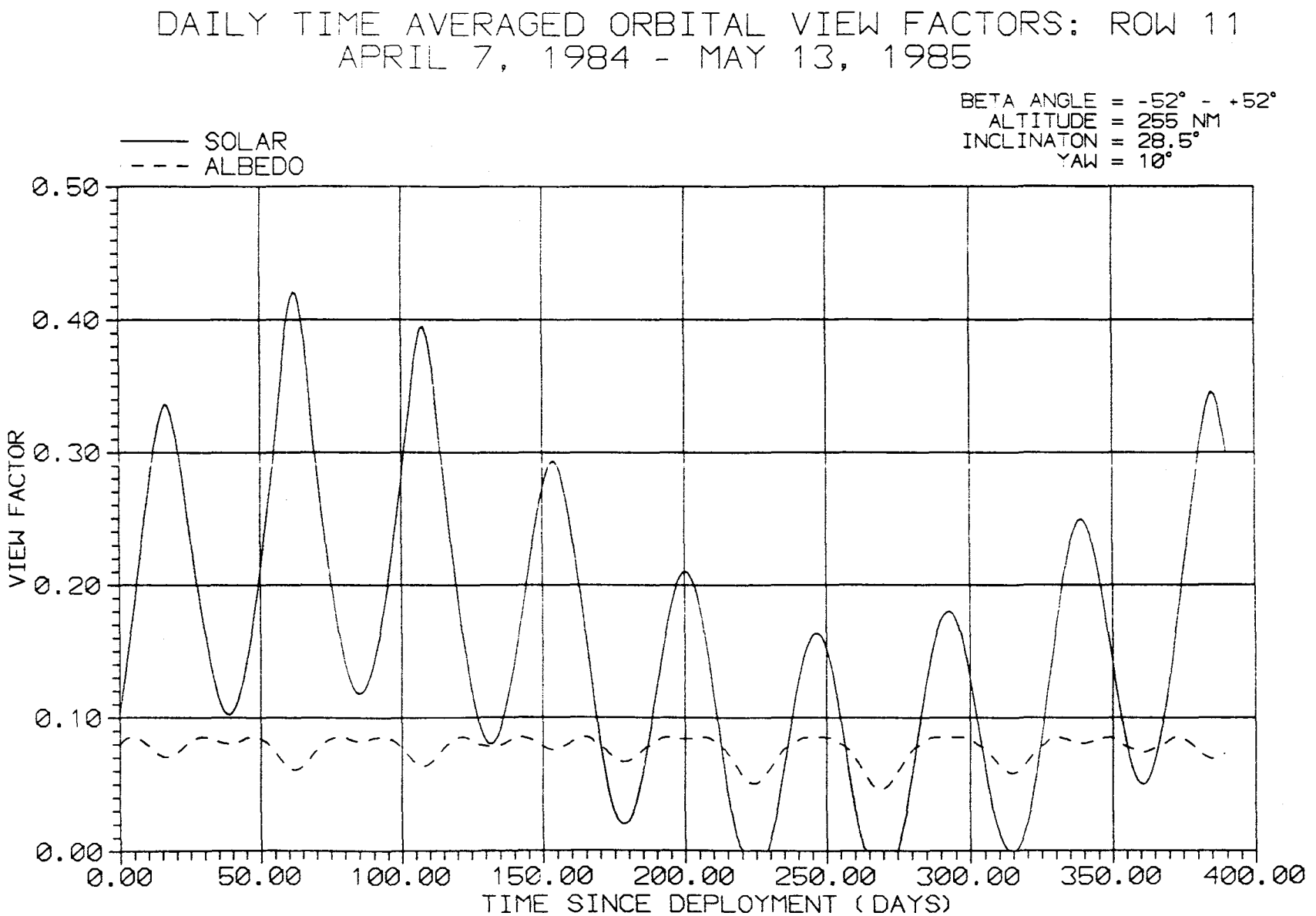

DAILY TIME AVERAGED ORBITAL VIEW FACTORS: ROW 6
APRIL 7, 1984 - MAY 13, 1985
BETA ANGLE = -52° - +52°
ALTITUDE = 255 NM
INCLINATION = 28.5°
YAW = 10°
SOLAR
ALBEDO
VIEW FACTOR
0.60
0.50
0.40
0.30
0.20
0.10
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
TIME SINCE DEPLOYMENT (DAYS)

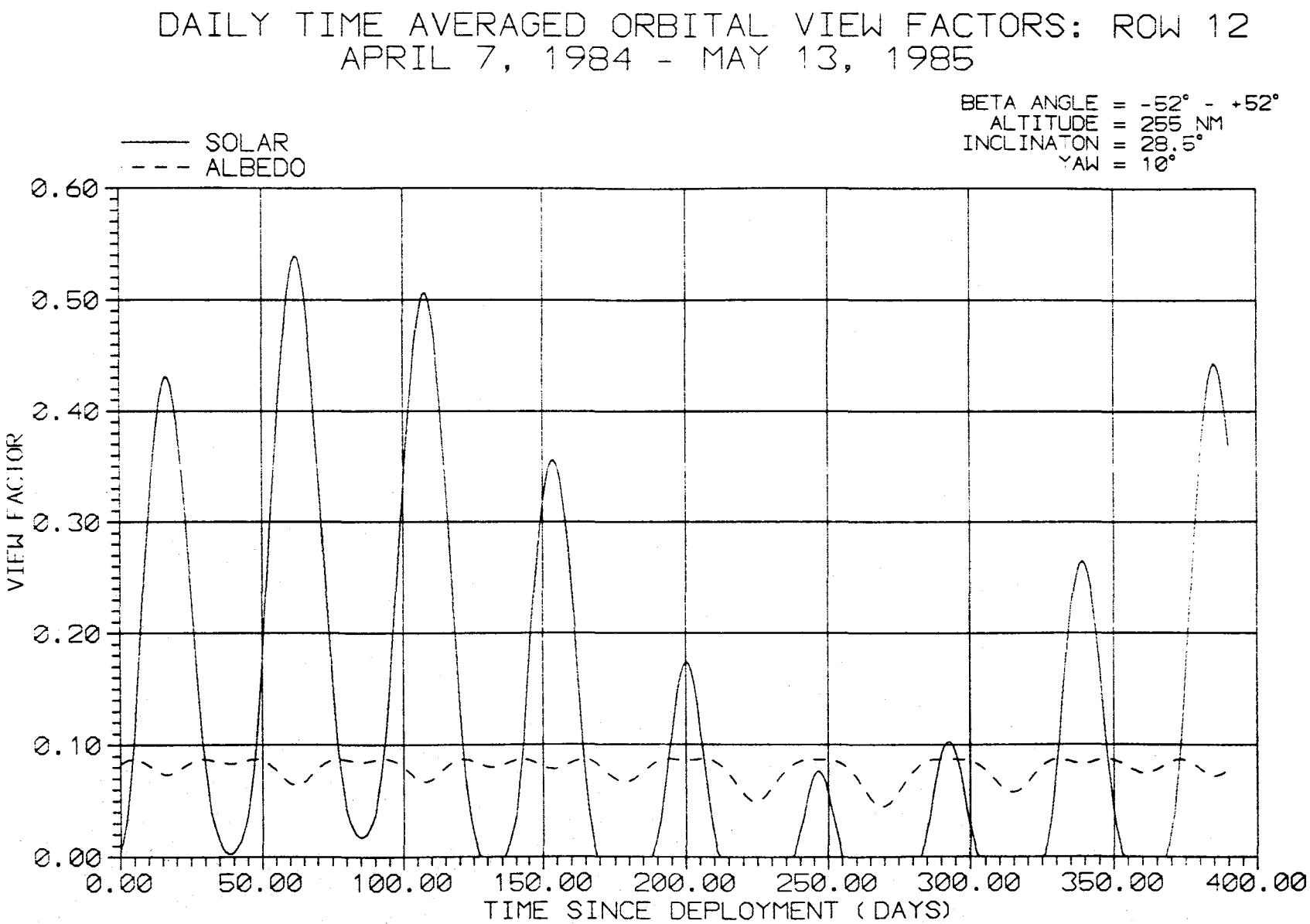

DAILY TIME AVERAGED ORBITAL VIEW FACTORS: ROW 7
APRIL 7, 1984 - MAY 13, 1985
BETA ANGLE = -52° - +52°
ALTITUDE = 255 NM
INCLINATION = 28.5°
YAW = 10°
SOLAR
ALBEDO
VIEW FACTOR
0.60
0.50
0.40
0.30
0.20
0.10
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
TIME SINCE DEPLOYMENT (DAYS)


DAILY TIME AVERAGED ORBITAL VIEW FACTORS: ROW 8
APRIL 7, 1984 - MAY 13, 1985
BETA ANGLE = -52° - +52°
ALTITUDE = 255 NM
INCLINATON = 28.5°
YAW = 10°
SOLAR
ALBEDO
VIEW FACTOR
0.40
0.30
0.20
0.10
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
TIME SINCE DEPLOYMENT (DAYS)


DAILY TIME AVERAGED ORBITAL VIEW FACTORS: ROW 9
APRIL 7, 1984 - MAY 13, 1985
BETA ANGLE = -52° - +52°
ALTITUDE = 255 NM
INCLINATON = 28.5°
YAW = 10°
SOLAR
ALBEDO
VIEW FACTOR
0.25
0.20
0.15
0.10
0.05
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
TIME SINCE DEPLOYMENT (DAYS)


DAILY TIME AVERAGED ORBITAL VIEW FACTORS: ROW 10
APRIL 7, 1984 - MAY 13, 1985
BETA ANGLE = -52° - +52°
ALTITUDE = 255 NM
INCLINATON = 28.5°
YAW = 10°
SOLAR
ALBEDO
VIEW FACTOR
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
TIME SINCE DEPLOYMENT (DAYS)


DAILY TIME AVERAGED ORBITAL VIEW FACTORS: ROW 11
APRIL 7, 1984 - MAY 13, 1985
BETA ANGLE = -52° - +52°
ALTITUDE = 255 NM
INCLINATON = 28.5°
YAW = 10°
SOLAR
ALBEDO
VIEW FACTOR
0.50
0.40
0.30
0.20
0.10
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
TIME SINCE DEPLOYMENT (DAYS)


DAILY TIME AVERAGED ORBITAL VIEW FACTORS: ROW 12
APRIL 7, 1984 - MAY 13, 1985
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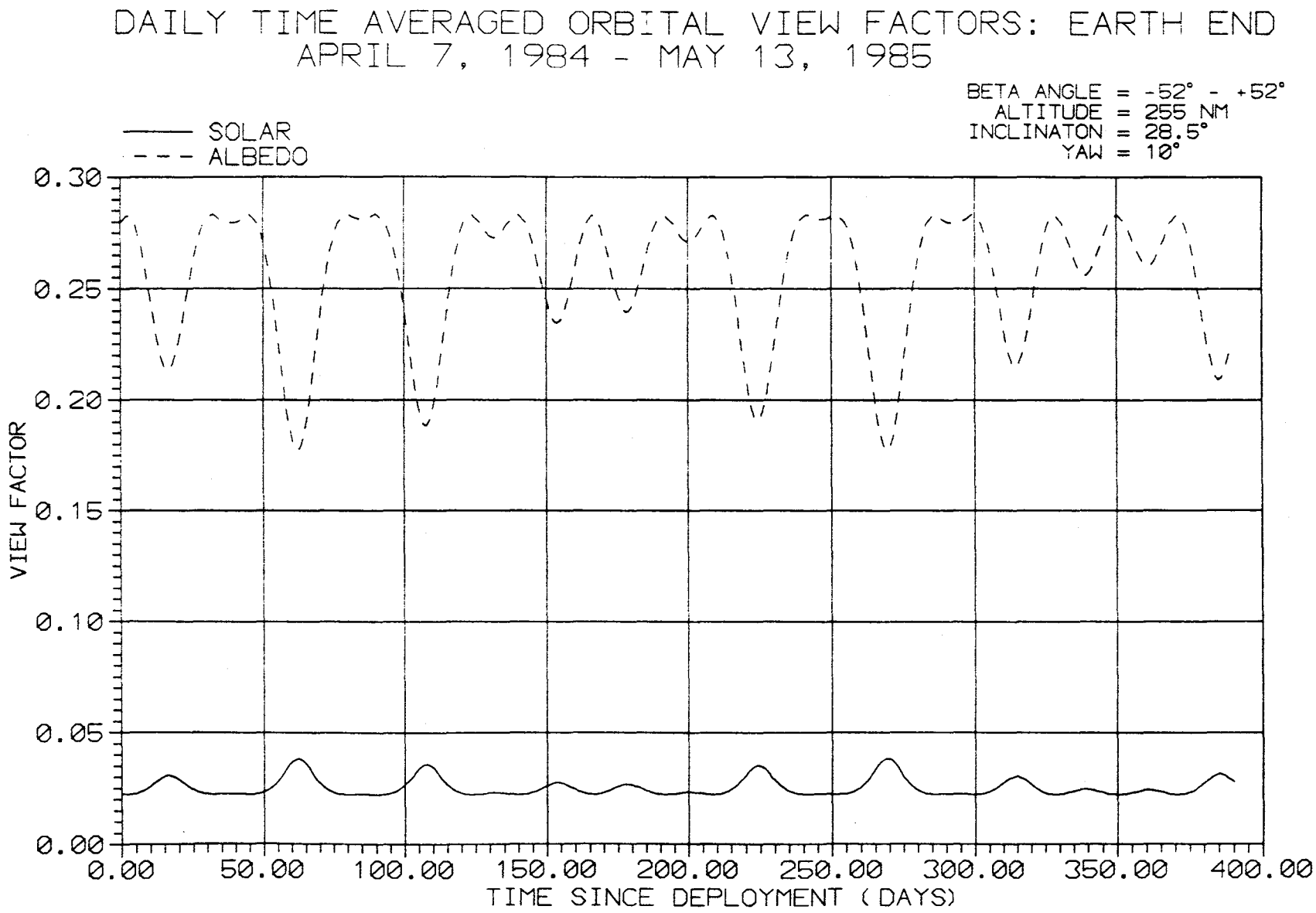
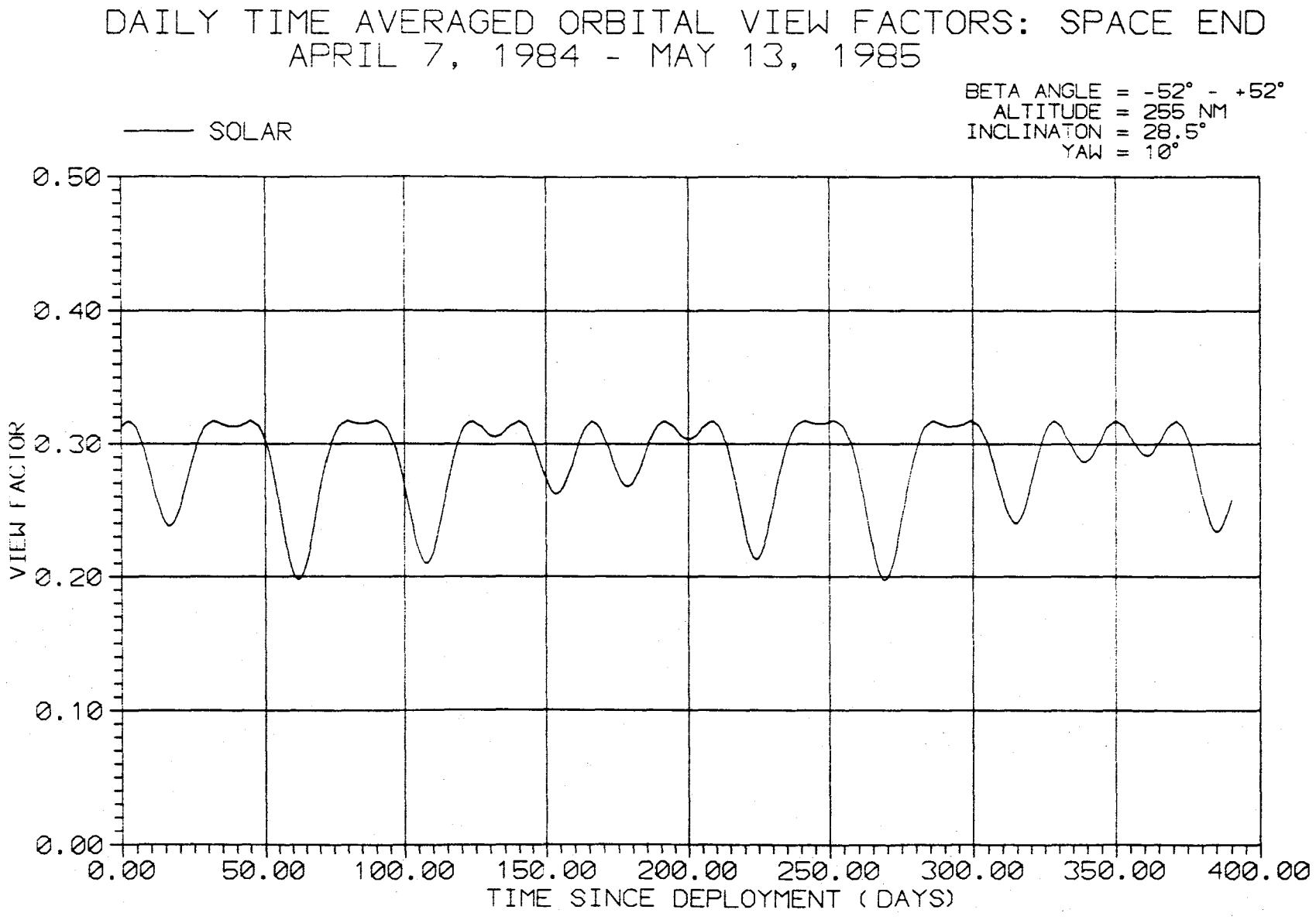
ALTITUDE = 255 NM
INCLINATION = 28.5°
YAW = 10°
SOLAR
ALBEDO
VIEW FACTOR
0.60
0.50
0.40
0.30
0.20
0.10
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
TIME SINCE DEPLOYMENT (DAYS)


DAILY TIME AVERAGED ORBITAL VIEW FACTORS: EARTH END
APRIL 7, 1984 - MAY 13, 1985
BETA ANGLE = -52° - +52°
ALTITUDE = 255 NM
INCLINATON = 28.5°
YAW = 10°
SOLAR
ALBEDO
VIEW FACTOR
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
TIME SINCE DEPLOYMENT (DAYS)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ALTITUDE = 255 NM
INCLINATON = 28.5°
YAW = 10°
SOLAR
VIEW FACTOR
0.50
0.40
0.30
0.20
0.10
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
TIME SINCE DEPLOYMENT (DAYS)

SOLAR ILLUMINATION FORM FACTORS

> SOLAR

FORM FACTORS @ 10° YAW (ALL ROWS/ENDS)

DAILY AVERAGE

(ONE YEAR SEASONAL CYCLE)

TABLE

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DAILY AVERAGE INCIDENT SOLAR VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH	SPACE
0	-9.07	.0332	.1338	.2024	.2183	.1771	.0995	.1259	.1984	.2215	.1868	.1034	.0035	.0226	.3131
1	-5.51	.0492	.1463	.2065	.2123	.1620	.0752	.1058	.1861	.2189	.1939	.1178	.0170	.0224	.3149
2	-1.78	.0659	.1593	.2107	.2060	.1463	.0497	.0847	.1732	.2161	.2013	.1330	.0312	.0223	.3166
3	2.12	.0858	.1728	.2143	.1988	.1303	.0296	.0650	.1596	.2124	.2085	.1492	.0525	.0223	.3165
4	6.08	.1081	.1863	.2172	.1909	.1144	.0147	.0471	.1457	.2079	.2153	.1660	.0797	.0224	.3146
5	10.12	.1310	.2001	.2201	.1828	.0981	0	.0290	.1315	.2032	.2221	.1831	.1080	.0226	.3125
6	14.12	.1594	.2133	.2212	.1732	.0828	0	.0173	.1172	.1968	.2271	.2005	.1500	.0231	.3068
7	18.11	.1877	.2264	.2222	.1636	.0675	0	.0056	.1029	.1904	.2321	.2179	.1919	.0235	.3011
8	21.96	.2204	.2388	.2223	.1538	.0535	0	0	.0891	.1834	.2361	.2350	.2320	.0241	.2938
9	25.67	.2570	.2506	.2216	.1436	.0406	0	0	.0759	.1759	.2393	.2519	.2704	.0250	.2851
10	29.13	.2911	.2616	.2209	.1342	.0285	0	0	.0635	.1689	.2423	.2676	.3062	.0258	.2770
11	32.30	.3222	.2720	.2193	.1249	.0196	0	0	.0526	.1615	.2442	.2840	.3387	.0269	.2677
12	35.12	.3498	.2813	.2175	.1164	.0124	0	0	.0430	.1546	.2457	.2993	.3676	.0279	.2587
13	37.47	.3728	.2890	.2160	.1093	.0064	0	0	.0350	.1489	.2470	.3120	.3917	.0288	.2512
14	39.33	.3909	.2951	.2148	.1037	.0017	0	0	.0287	.1443	.2479	.3221	.4106	.0295	.2453
15	40.58	.4034	.3001	.2139	.0998	.0000	0	0	.0251	.1411	.2485	.3305	.4237	.0302	.2409
16	41.20	.4098	.3031	.2133	.0977	.0000	0	0	.0238	.1393	.2488	.3357	.4303	.0307	.2384
17	41.16	.4094	.3029	.2133	.0979	.0000	0	0	.0239	.1394	.2488	.3353	.4299	.0306	.2386
18	40.47	.4023	.2996	.2140	.1001	.0000	0	0	.0254	.1414	.2485	.3296	.4226	.0301	.2413
19	39.19	.3896	.2946	.2149	.1041	.0021	0	0	.0292	.1447	.2479	.3213	.4092	.0295	.2458
20	37.34	.3715	.2886	.2161	.1097	.0068	0	0	.0354	.1492	.2469	.3113	.3903	.0288	.2516
21	35.05	.3491	.2810	.2175	.1166	.0126	0	0	.0432	.1548	.2457	.2989	.3669	.0279	.2589
22	32.34	.3226	.2721	.2192	.1247	.0195	0	0	.0524	.1614	.2442	.2843	.3392	.0269	.2675
23	29.37	.2935	.2624	.2208	.1335	.0277	0	0	.0626	.1684	.2425	.2687	.3087	.0259	.2765
24	26.14	.2617	.2521	.2215	.1423	.0389	0	0	.0742	.1749	.2397	.2540	.2753	.0251	.2840
25	22.79	.2286	.2415	.2221	.1515	.0506	0	0	.0861	.1817	.2368	.2388	.2406	.0243	.2919
26	19.32	.1963	.2304	.2225	.1607	.0629	0	.0020	.0985	.1885	.2336	.2231	.2047	.0236	.2994
27	15.85	.1716	.2189	.2216	.1691	.0762	0	.0122	.1110	.1940	.2293	.2080	.1682	.0232	.3043
28	12.46	.1475	.2078	.2207	.1772	.0892	0	.0222	.1231	.1995	.2250	.1933	.1325	.0229	.3092
29	9.57	.1277	.1982	.2198	.1840	.1003	.0016	.0314	.1334	.2039	.2213	.1808	.1037	.0226	.3129
30	6.25	.1090	.1869	.2173	.1906	.1137	.0141	.0464	.1451	.2077	.2156	.1667	.0809	.0224	.3145
31	3.21	.0919	.1765	.2151	.1966	.1259	.0255	.0601	.1557	.2111	.2104	.1538	.0600	.0223	.3160
32	0.38	.0760	.1668	.2130	.2023	.1373	.0361	.0729	.1657	.2144	.2055	.1418	.0405	.0222	.3173
33	-2.17	.0642	.1579	.2102	.2067	.1480	.0523	.0869	.1745	.2164	.2006	.1314	.0297	.0223	.3165
34	-4.40	.0541	.1501	.2077	.2104	.1574	.0676	.0995	.1822	.2181	.1961	.1223	.0212	.0224	.3154
35	-6.25	.0458	.1437	.2056	.2136	.1652	.0803	.1100	.1886	.2194	.1924	.1148	.0142	.0225	.3145
36	-7.70	.0393	.1386	.2040	.2160	.1713	.0902	.1182	.1936	.2205	.1895	.1089	.0087	.0225	.3138
37	-8.70	.0348	.1351	.2029	.2177	.1755	.0970	.1238	.1971	.2212	.1875	.1049	.0049	.0225	.3133
38	-9.25	.0324	.1332	.2023	.2186	.1778	.1007	.1269	.1990	.2216	.1864	.1027	.0029	.0226	.3131
39	-9.30	.0321	.1330	.2022	.2187	.1780	.1011	.1272	.1992	.2217	.1863	.1024	.0027	.0226	.3130
40	-8.87	.0341	.1345	.2027	.2180	.1762	.0982	.1248	.1977	.2214	.1872	.1042	.0043	.0226	.3132

DAILY AVERAGE INCIDENT SOLAR VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH	SPACE
41	-7.96	.0381	.1377	.2037	.2165	.1724	.0920	.1197	.1946	.2207	.1890	.1079	.0077	.0225	.3137
42	-6.60	.0443	.1425	.2052	.2142	.1667	.0826	.1120	.1898	.2197	.1917	.1134	.0129	.0225	.3143
43	-4.80	.0523	.1487	.2073	.2111	.1591	.0704	.1018	.1836	.2184	.1953	.1207	.0197	.0224	.3152
44	-2.61	.0622	.1564	.2098	.2074	.1498	.0553	.0894	.1760	.2167	.1997	.1296	.0280	.0223	.3162
45	-0.05	.0737	.1653	.2126	.2031	.1390	.0378	.0749	.1672	.2148	.2048	.1400	.0377	.0222	.3175
46	2.83	.0898	.1752	.2148	.1974	.1274	.0269	.0618	.1571	.2116	.2097	.1522	.0574	.0223	.3161
47	5.99	.1076	.1860	.2171	.1911	.1147	.0150	.0475	.1460	.2080	.2151	.1656	.0791	.0224	.3146
48	9.39	.1266	.1976	.2196	.1843	.1011	.0023	.0322	.1341	.2041	.2209	.1800	.1025	.0226	.3130
49	12.96	.1511	.2094	.2209	.1760	.0873	0	.0207	.1213	.1987	.2257	.1955	.1378	.0229	.3085
50	16.69	.1776	.2217	.2218	.1670	.0730	0	.0097	.1079	.1927	.2303	.2117	.1771	.0233	.3031
51	20.51	.2062	.2342	.2226	.1577	.0585	0	0	.0943	.1864	.2348	.2284	.2171	.0238	.2972
52	24.40	.2445	.2466	.2218	.1471	.0450	0	0	.0804	.1785	.2382	.2461	.2573	.0247	.2881
53	28.27	.2826	.2589	.2210	.1365	.0315	0	0	.0666	.1706	.2415	.2637	.2973	.0256	.2790
54	32.10	.3203	.2713	.2194	.1255	.0201	0	0	.0532	.1620	.2441	.2830	.3367	.0268	.2683
55	35.81	.3566	.2835	.2170	.1143	.0107	0	0	.0406	.1529	.2461	.3031	.3747	.0282	.2565
56	39.34	.3910	.2951	.2148	.1037	.0017	0	0	.0286	.1443	.2480	.3221	.4107	.0295	.2453
57	42.59	.4240	.3098	.2120	.0931	0	0	0	.0207	.1354	.2493	.3473	.4453	.0317	.2329
58	45.48	.4536	.3237	.2094	.0835	0	0	0	.0143	.1273	.2504	.3713	.4763	.0338	.2214
59	47.92	.4786	.3354	.2072	.0754	0	0	0	.0090	.1204	.2514	.3917	.5024	.0356	.2117
60	49.70	.4968	.3440	.2056	.0695	0	0	0	.0051	.1154	.2521	.4065	.5215	.0369	.2046
61	50.84	.5084	.3494	.2046	.0658	0	0	0	.0026	.1122	.2525	.4159	.5336	.0377	.2001
62	51.40	.5141	.3521	.2040	.0639	0	0	0	.0013	.1106	.2528	.4206	.5396	.0382	.1979
63	51.19	.5120	.3511	.2042	.0646	0	0	0	.0018	.1112	.2527	.4189	.5374	.0380	.1987
64	50.23	.5022	.3465	.2051	.0678	0	0	0	.0039	.1139	.2523	.4109	.5272	.0373	.2025
65	48.58	.4853	.3386	.2066	.0732	0	0	0	.0075	.1185	.2517	.3972	.5095	.0361	.2091
66	46.36	.4626	.3279	.2086	.0806	0	0	0	.0124	.1248	.2508	.3787	.4857	.0345	.2179
67	43.63	.4346	.3147	.2111	.0897	0	0	0	.0184	.1325	.2497	.3559	.4564	.0325	.2288
68	40.54	.4030	.2999	.2139	.0999	0	0	0	.0252	.1412	.2485	.3302	.4233	.0302	.2410
69	37.14	.3695	.2879	.2162	.1103	.0073	0	0	.0361	.1497	.2468	.3102	.3883	.0287	.2523
70	33.59	.3348	.2762	.2184	.1210	.0163	0	0	.0482	.1583	.2449	.2910	.3519	.0274	.2636
71	29.91	.2988	.2641	.2207	.1320	.0258	0	0	.0607	.1673	.2429	.2712	.3143	.0260	.2752
72	26.15	.2618	.2522	.2215	.1423	.0389	0	0	.0741	.1749	.2397	.2541	.2754	.0251	.2840
73	22.43	.2251	.2403	.2222	.1525	.0518	0	0	.0874	.1825	.2365	.2372	.2370	.0243	.2927
74	18.73	.1921	.2284	.2224	.1622	.0652	0	.0037	.1007	.1894	.2328	.2206	.1984	.0236	.3002
75	15.17	.1668	.2167	.2214	.1707	.0788	0	.0142	.1134	.1951	.2284	.2051	.1610	.0232	.3053
76	11.72	.1423	.2054	.2205	.1790	.0920	0	.0243	.1257	.2006	.2241	.1901	.1248	.0228	.3102
77	8.51	.1217	.1946	.2190	.1861	.1046	.0056	.0362	.1371	.2051	.2194	.1763	.0964	.0225	.3134
78	5.51	.1048	.1843	.2168	.1920	.1167	.0169	.0497	.1477	.2085	.2143	.1635	.0758	.0224	.3149
79	2.81	.0897	.1751	.2148	.1974	.1275	.0270	.0619	.1571	.2116	.2097	.1521	.0572	.0223	.3162
80	0.41	.0762	.1669	.2130	.2022	.1371	.0360	.0727	.1656	.2143	.2056	.1419	.0407	.0222	.3173
81	-1.60	.0667	.1599	.2109	.2057	.1456	.0484	.0837	.1725	.2160	.2017	.1337	.0318	.0223	.3167

DAILY AVERAGE INCIDENT SOLAR VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH	SPACE
82	-3.23	.0594	.1542	.2091	.2085	.1524	.0596	.0929	.1782	.2172	.1984	.1271	.0257	.0223	.3159
83	-4.41	.0541	.1501	.2077	.2105	.1574	.0677	.0996	.1823	.2181	.1961	.1223	.0212	.0224	.3154
84	-5.16	.0507	.1475	.2069	.2117	.1606	.0728	.1038	.1849	.2186	.1946	.1192	.0183	.0224	.3150
85	-5.43	.0495	.1465	.2066	.2122	.1617	.0746	.1053	.1858	.2188	.1940	.1182	.0173	.0224	.3149
86	-5.24	.0504	.1472	.2068	.2118	.1609	.0733	.1042	.1851	.2187	.1944	.1189	.0181	.0224	.3150
87	-4.57	.0534	.1495	.2075	.2107	.1581	.0688	.1005	.1828	.2182	.1958	.1216	.0206	.0224	.3153
88	-3.46	.0584	.1534	.2088	.2088	.1534	.0612	.0942	.1790	.2174	.1980	.1262	.0248	.0223	.3158
89	-1.92	.0653	.1588	.2105	.2062	.1469	.0506	.0855	.1736	.2162	.2011	.1324	.0306	.0223	.3166
90	0.03	.0741	.1656	.2127	.2029	.1387	.0374	.0744	.1669	.2148	.2050	.1403	.0381	.0222	.3175
91	2.30	.0868	.1734	.2144	.1984	.1295	.0289	.0642	.1589	.2122	.2088	.1500	.0537	.0223	.3164
92	4.66	.1001	.1814	.2161	.1937	.1201	.0200	.0535	.1506	.2095	.2129	.1600	.0700	.0224	.3153
93	7.48	.1159	.1911	.2182	.1881	.1087	.0095	.0408	.1408	.2063	.2177	.1719	.0893	.0225	.3139
94	10.61	.1345	.2017	.2203	.1816	.0962	0	.0276	.1297	.2024	.2228	.1853	.1131	.0227	.3118
95	13.91	.1579	.2126	.2211	.1737	.0836	0	.0179	.1179	.1971	.2268	.1996	.1478	.0230	.3071
96	17.39	.1826	.2240	.2220	.1654	.0703	0	.0077	.1055	.1916	.2312	.2147	.1843	.0234	.3021
97	20.94	.2103	.2356	.2225	.1565	.0570	0	0	.0928	.1855	.2352	.2304	.2215	.0239	.2962
98	24.57	.2461	.2471	.2218	.1466	.0444	0	0	.0798	.1781	.2383	.2469	.2590	.0248	.2877
99	28.17	.2816	.2586	.2211	.1368	.0319	0	0	.0669	.1708	.2414	.2633	.2962	.0256	.2793
100	31.73	.3166	.2701	.2196	.1266	.0211	0	0	.0545	.1629	.2439	.2809	.3329	.0267	.2695
101	35.13	.3499	.2813	.2175	.1164	.0124	0	0	.0430	.1546	.2457	.2993	.3677	.0279	.2587
102	38.36	.3814	.2919	.2154	.1066	.0042	0	0	.0320	.1467	.2474	.3168	.4007	.0292	.2484
103	41.27	.4105	.3034	.2132	.0975	0	0	0	.0236	.1391	.2488	.3362	.4311	.0307	.2382
104	43.82	.4365	.3156	.2109	.0890	0	0	0	.0180	.1320	.2498	.3575	.4584	.0326	.2280
105	45.87	.4576	.3255	.2091	.0822	0	0	0	.0135	.1262	.2506	.3746	.4804	.0341	.2199
106	47.35	.4727	.3327	.2077	.0773	0	0	0	.0102	.1220	.2512	.3869	.4963	.0352	.2140
107	48.17	.4811	.3366	.2070	.0746	0	0	0	.0084	.1197	.2515	.3937	.5051	.0358	.2107
108	48.28	.4822	.3371	.2069	.0742	0	0	0	.0082	.1194	.2515	.3946	.5062	.0359	.2103
109	47.66	.4759	.3341	.2074	.0763	0	0	0	.0095	.1211	.2513	.3895	.4996	.0354	.2127
110	46.33	.4623	.3277	.2086	.0807	0	0	0	.0125	.1249	.2508	.3784	.4853	.0344	.2180
111	44.40	.4425	.3185	.2104	.0871	0	0	0	.0167	.1303	.2500	.3623	.4647	.0330	.2257
112	41.89	.4169	.3064	.2127	.0954	0	0	0	.0222	.1374	.2490	.3415	.4378	.0312	.2357
113	38.97	.3875	.2939	.2150	.1048	.0026	0	0	.0299	.1452	.2478	.3202	.4070	.0294	.2465
114	35.67	.3551	.2830	.2171	.1147	.0111	0	0	.0411	.1533	.2460	.3023	.3732	.0282	.2570
115	32.12	.3204	.2714	.2194	.1254	.0201	0	0	.0532	.1619	.2441	.2831	.3369	.0268	.2683
116	28.35	.2834	.2591	.2210	.1363	.0313	0	0	.0663	.1705	.2416	.2641	.2981	.0256	.2789
117	24.49	.2454	.2469	.2218	.1468	.0447	0	0	.0801	.1783	.2383	.2465	.2582	.0247	.2879
118	20.57	.2067	.2344	.2226	.1576	.0583	0	0	.0941	.1862	.2349	.2287	.2177	.0238	.2971
119	16.59	.1769	.2214	.2218	.1673	.0734	0	.0100	.1083	.1929	.2302	.2112	.1759	.0233	.3033
120	12.69	.1492	.2085	.2208	.1766	.0883	0	.0215	.1223	.1991	.2253	.1943	.1350	.0229	.3089
121	8.84	.1236	.1957	.2192	.1854	.1033	.0044	.0346	.1360	.2047	.2200	.1777	.0987	.0226	.3133
122	5.12	.1027	.1830	.2165	.1928	.1182	.0183	.0515	.1490	.2090	.2137	.1619	.0731	.0224	.3150

DAILY AVERAGE INCIDENT SOLAR VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH	SPACE
123	2.03	.0853	.1724	.2142	.1990	.1307	.0299	.0654	.1599	.2125	.2084	.1488	.0518	.0223	.3165
124	-1.37	.0678	.1607	.2112	.2053	.1446	.0469	.0823	.1717	.2158	.2022	.1346	.0327	.0223	.3168
125	-4.45	.0539	.1500	.2077	.2105	.1576	.0679	.0998	.1824	.2181	.1960	.1222	.0211	.0224	.3154
126	-7.20	.0416	.1404	.2046	.2152	.1692	.0868	.1154	.1919	.2201	.1905	.1110	.0106	.0225	.3140
127	-9.62	.0307	.1319	.2018	2193	.1794	.1033	.1291	.2003	.2219	.1857	.1011	.0014	.0226	.3129
128	-11.62	.0243	.1248	.1988	.2219	.1880	.1229	.1427	.2070	.2226	.1810	.0933	0	.0228	.3104
129	-13.21	.0197	.1192	.1963	.2238	.1949	.1396	.1540	.2122	.2230	.1771	.0872	0	.0230	.3081
130	-14.31	.0165	.1153	.1946	.2252	.1996	.1512	.1619	.2159	.2233	.1745	.0830	0	.0231	.3065
131	-14.92	.0147	.1131	.1936	.2259	.2022	.1576	.1662	.2179	.2235	.1730	.0806	0	.0231	.3057
132	-15.03	.0144	.1128	.1935	.2261	.2027	.1588	.1670	.2182	.2235	.1727	.0802	0	.0232	.3055
133	-14.64	.0156	.1141	.1941	.2256	.2010	.1547	.1642	.2169	.2234	.1737	.0817	0	.0231	.3061
134	-13.76	.0181	.1173	.1955	.2245	.1972	.1455	.1580	.2140	.2232	.1758	.0851	0	.0230	.3073
135	-12.41	.0220	.1220	.1976	.2229	.1914	.1313	.1484	.2096	.2228	.1791	.0903	0	.0229	.3093
136	-10.65	.0271	.1283	.2004	2207	.1838	.1127	.1358	.2037	.2224	.1833	.0971	0	.0227	.3118
137	-8.49	.0358	.1359	.2031	.2174	.1746	.0956	.1227	.1964	.2211	.1879	.1057	.0057	.0225	.3134
138	-6.01	.0469	.1445	.2059	.2132	.1642	.0786	.1086	.1878	.2192	.1929	.1158	.0151	.0224	.3146
139	-3.23	.0594	.1542	.2090	.2085	.1524	.0596	.0929	.1782	.2172	.1984	.1271	.0256	.0223	.3159
140	-0.24	.0728	.1647	.2124	.2034	.1398	.0392	.0760	.1678	.2150	.2044	.1392	.0370	.0222	.3174
141	2.95	.0905	.1756	.2149	.1971	.1269	.0264	.0613	.1566	.2114	.2099	.1527	.0582	.0223	.3161
142	6.25	.1090	.1869	.2173	.1906	.1137	.0140	.0463	.1450	.2077	.2156	.1667	.0809	.0225	.3145
143	9.63	.1280	.1984	.2198	.1838	.1001	.0014	.0311	.1332	.2038	.2214	.1810	.1042	.0226	.3129
144	13.02	.1515	.2096	.2209	.1759	.0871	0	.0205	.1211	.1986	.2257	.1957	.1384	.0229	.3084
145	16.37	.1753	.2207	.2218	.1678	.0742	0	.0107	.1091	.1932	.2299	.2103	.1737	.0233	.3036
146	19.61	.1983	.2313	.2226	.1600	.0618	0	.0011	.0975	.1880	.2339	.2244	.2077	.0237	.2990
147	22.70	.2278	.2412	.2222	.1517	.0509	0	0	.0864	.1819	.2367	.2384	.2398	.0243	.2921
148	25.55	.2559	.2503	.2216	.1439	.0410	0	0	.0763	.1761	2392	.2514	.2692	.0250	.2854
149	28.11	.2810	.2584	.2211	.1370	.0321	0	0	.0672	.1709	.2414	.2630	.2956	.0256	.2794
150	30.28	.3024	.2653	.2205	.1310	.0248	0	0	.0594	.1664	.2431	.2731	.3181	.0261	.2741
151	32.02	.3194	.2710	.2194	.1257	.0204	0	0	.0535	.1622	.2441	.2825	.3358	.0268	.2686
152	33.25	.3315	.2751	.2187	.1220	.0172	0	0	.0493	.1592	.2447	.2892	.3485	.0272	.2647
153	33.89	.3377	.2772	.2183	.1201	.0156	0	0	.0472	.1576	.2451	.2926	.3550	.0275	.2626
154	33.97	.3385	.2775	.2182	.1198	.0154	0	0	.0469	.1574	.2451	.2931	.3558	.0275	.2624
155	33.54	.3343	.2760	.2185	.1212	.0165	0	0	.0484	.1585	.2449	.2907	.3514	.0273	.2638
156	32.49	.3241	.2726	.2191	.1243	.0192	0	0	.0519	.1610	.2443	.2851	.3407	.0269	.2671
157	30.90	.3085	.2674	.2201	.1291	.0232	0	0	.0573	.1649	.2435	.2765	.3244	.0263	.2721
158	28.77	.2876	.2605	.2209	.1352	.0298	0	0	.0648	.1696	.2419	.2660	.3025	.0257	.2779
159	26.21	.2624	.2524	.2215	.1421	.0387	0	0	.0739	.1748	.2397	.2544	.2761	.0251	.2839
160	23.25	.2331	.2429	.2221	.1502	.0490	0	0	.0845	.1808	.2372	.2409	.2454	.0244	.2908
161	19.98	.2010	.2325	.2227	.1591	.0604	0	.0001	.0962	.1874	.2344	.2260	.2116	.0237	.2984
162	16.43	.1757	.2208	.2218	.1677	.0740	0	.0105	.1089	.1931	.2300	.2106	.1742	.0233	.3035
163	12.69	.1492	.2086	.2208	.1766	.0883	0	.0215	.1223	.1991	.2253	.1943	.1350	.0229	.3088

DAILY AVERAGE INCIDENT SOLAR VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH	SPACE
164	8.78	.1233	.1955	.2192	.1855	.1035	.0046	.0349	.1362	.2048	.2199	.1774	.0983	.0226	.3133
165	4.81	.1009	.1820	.2163	.1934	.1195	.0195	.0529	.1501	.2093	.2131	.1606	.0710	.0224	.3152
166	0.76	.0782	.1681	.2133	.2015	.1357	.0346	.0711	.1643	.2139	.2062	.1434	.0432	.0222	.3171
167	-3.25	.0593	.1541	.2090	.2085	.1525	.0597	.0930	.1783	.2172	.1984	.1270	.0256	.0223	.3159
168	-7.24	.0414	.1402	.2045	.2152	.1694	.0871	.1156	.1921	.2202	.1904	.1108	.0104	.0225	.3140
169	-11.11	.0258	.1267	.1996	.2213	.1858	.1176	.1391	.2053	.2225	.1822	.0953	0	.0227	.3111
170	-14.86	.0149	.1134	.1937	.2259	.2020	.1570	.1658	.2177	.2235	.1731	.0809	0	.0231	.3058
171	-18.36	.0048	.1009	.1882	.2302	.2171	.1938	.1907	.2293	.2244	.1647	.0673	0	.0235	.3007
172	-21.62	0	.0894	.1823	.2336	.2315	.2279	.2184	.2399	.2245	.1562	.0553	0	.0241	.2946
173	-24.54	0	.0790	.1764	.2361	.2447	.2580	.2472	.2492	.2239	.1482	.0450	0	.0247	.2878
174	-27.09	0	.0700	.1713	.2382	.2562	.2844	.2724	.2574	.2234	.1412	.0361	0	.0253	.2818
175	-29.17	0	.0627	.1671	.2400	.2656	.3059	.2929	.2640	.2230	.1355	.0287	0	.0258	.2770
176	-30.75	0	.0572	.1636	.2411	.2734	.3221	.3084	.2692	.2223	.1309	.0239	0	.0263	.2726
177	-31.77	0	.0537	.1611	.2416	.2790	.3327	.3184	.2726	.2217	.1278	.0212	0	.0267	.2694
178	-32.21	0	.0523	.1601	.2419	.2813	.3371	.3227	.2740	.2214	.1265	.0201	0	.0268	.2680
179	-32.15	0	.0525	.1602	.2418	.2810	.3365	.3221	.2738	.2215	.1267	.0203	0	.0268	.2682
180	-31.47	0	.0548	.1618	.2415	.2773	.3296	.3155	.2716	.2219	.1287	.0220	0	.0266	.2703
181	-30.25	0	.0589	.1648	.2408	.2707	.3170	.3035	.2675	.2226	.1324	.0252	0	.0261	.2742
182	-28.53	0	.0649	.1684	.2395	.2628	.2993	.2866	.2620	.2231	.1372	.0310	0	.0257	.2784
183	-26.36	0	.0726	.1727	.2376	.2530	.2769	.2652	.2551	.2235	.1432	.0386	0	.0252	.2835
184	-23.84	0	.0815	.1778	.2355	.2416	.2508	.2403	.2470	.2240	.1501	.0475	0	.0246	.2894
185	-21.00	0	.0916	.1836	.2331	.2287	.2215	.2123	.2379	.2246	.1579	.0575	0	.0239	.2961
186	-17.95	.0059	.1024	.1888	.2297	.2153	.1895	.1878	.2279	.2243	.1657	.0689	0	.0235	.3013
187	-14.71	.0154	.1139	.1940	.2257	.2013	.1554	.1647	.2172	.2234	.1735	.0814	0	.0231	.3060
188	-11.38	.0250	.1257	.1992	.2216	.1870	.1204	.1410	.2062	.2226	.1816	.0943	0	.0228	.3107
189	-7.99	.0380	.1376	.2037	.2165	.1725	.0921	.1198	.1946	.2207	.1889	.1078	.0076	.0225	.3137
190	-4.63	.0531	.1493	.2075	.2108	.1583	.0692	.1008	.1830	.2182	.1956	.1214	.0204	.0224	.3153
191	-1.32	.0680	.1609	.2112	.2052	.1444	.0465	.0821	.1716	.2158	.2023	.1348	.0329	.0223	.3169
192	1.85	.0843	.1718	.2141	.1993	.1314	.0306	.0663	.1605	.2127	.2081	.1480	.0506	.0223	.3166
193	4.85	.1012	.1821	.2163	.1933	.1193	.0193	.0527	.1500	.2093	.2132	.1608	.0713	.0224	.3152
194	7.60	.1166	.1915	.2183	.1879	.1082	.0090	.0402	.1403	.2061	.2179	.1724	.0902	.0225	.3139
195	10.09	.1307	.2000	.2201	.1829	.0983	0	.0291	.1316	.2033	.2221	.1830	.1076	.0226	.3126
196	12.21	.1458	.2070	.2207	.1778	.0901	0	.0229	.1240	.1999	.2247	.1922	.1299	.0228	.3095
197	13.96	.1582	.2127	.2211	.1736	.0834	0	.0178	.1177	.1971	.2269	.1998	.1483	.0230	.3070
198	15.25	.1674	.2170	.2215	.1705	.0785	0	.0140	.1131	.1950	.2285	.2055	.1619	.0232	.3052
199	16.09	.1733	.2197	.2217	.1685	.0753	0	.0115	.1101	.1937	.2295	.2091	.1707	.0233	.3040
200	16.42	.1757	.2208	.2218	.1677	.0740	0	.0105	.1089	.1931	.2300	.2105	.1742	.0233	.3035
201	16.24	.1744	.2202	.2217	.1681	.0747	0	.0111	.1096	.1934	.2297	.2097	.1722	.0233	.3038
202	15.54	.1695	.2179	.2215	.1698	.0774	0	.0131	.1121	.1945	.2289	.2067	.1650	.0232	.3048
203	14.36	.1610	.2140	.2212	.1726	.0819	0	.0166	.1163	.1964	.2274	.2015	.1525	.0231	.3065
204	12.69	.1492	.2085	.2208	.1766	.0883	0	.0215	.1223	.1991	.2253	.1943	.1350	.0229	.3089

DAILY AVERAGE INCIDENT SOLAR VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH	SPACE
205	10.58	.1342	.2016	.2203	.1817	.0964	0	.0277	.1298	.2025	.2227	.1851	.1128	.0227	.3119
206	8.08	.1193	.1931	.2187	.1869	.1063	.0072	.0381	.1386	.2056	.2187	.1744	.0935	.0225	.3136
207	5.22	.1032	.1833	.2166	.1926	.1178	.0179	.0510	.1487	.2089	.2138	.1623	.0738	.0224	.3150
208	2.06	.0855	.1725	.2142	.1989	.1305	.0298	.0653	.1598	.2125	.2084	.1489	.0521	.0223	.3165
209	-1.37	.0677	.1607	.2111	.2053	.1446	.0469	.0824	.1718	.2158	.2022	.1346	.0327	.0223	.3168
210	-5.00	.0515	.1481	.2071	.2114	.1599	.0717	.1029	.1843	.2185	.1949	.1199	.0190	.0224	.3151
211	-8.80	.0344	.1348	.2028	.2179	.1759	.0977	.1244	.1974	.2213	.1873	.1045	.0045	.0226	.3133
212	-12.70	.0212	.1210	.1971	.2232	.1927	.1344	.1505	.2106	.2229	.1784	.0892	0	.0229	.3088
213	-16.69	.0096	.1069	.1908	.2281	.2099	.1762	.1788	.2237	.2239	.1687	.0738	0	.0233	.3031
214	-20.71	0	.0926	.1842	.2328	.2274	.2184	.2094	.2370	.2247	.1587	.0585	0	.0239	.2967
215	-24.54	0	.0790	.1764	.2361	.2447	.2580	.2472	.2492	.2239	.1482	.0450	0	.0247	.2878
216	-28.09	0	.0665	.1693	.2391	.2608	.2948	.2823	.2606	.2232	.1384	.0325	0	.0256	.2795
217	-31.86	0	.0534	.1609	.2417	.2794	.3335	.3193	.2729	.2216	.1275	.0210	0	.0267	.2691
218	-35.40	0	.0416	.1523	.2436	.2985	.3698	.3538	.2846	.2195	.1168	.0119	0	.0281	.2578
219	-38.68	0	.0305	.1444	.2453	.3163	.4034	.3859	.2954	.2174	.1068	.0034	0	.0293	.2474
220	-41.56	0	.0227	.1368	.2466	.3365	.4337	.4147	.3073	.2152	.0976	0	0	.0309	.2370
221	-44.00	0	.0174	.1300	.2475	.3568	.4598	.4396	.3190	.2129	.0894	0	0	.0327	.2273
222	-45.86	0	.0134	.1248	.2482	.3723	.4797	.4586	.3280	.2112	.0832	0	0	.0341	.2199
223	-47.09	0	.0107	.1214	.2487	.3826	.4929	.4712	.3339	.2101	.0791	0	0	.0350	.2150
224	-47.60	0	.0096	.1200	.2489	.3868	.4984	.4764	.3363	.2096	.0773	0	0	.0354	.2130
225	-47.40	0	.0100	.1206	.2488	.3852	.4962	.4743	.3354	.2098	.0780	0	0	.0352	.2138
226	-46.47	0	.0120	.1231	.2485	.3774	.4863	.4649	.3309	.2107	.0811	0	0	.0345	.2175
227	-44.89	0	.0155	.1276	.2479	.3642	.4693	.4487	.3233	.2121	.0864	0	0	.0334	.2238
228	-42.76	0	.0201	.1335	.2471	.3464	.4465	.4269	.3131	.2141	.0936	0	0	.0318	.2322
229	-40.14	0	.0258	.1408	.2461	.3246	.4184	.4001	.3005	.2165	.1023	0	0	.0299	.2427
230	-37.16	0	.0356	.1481	.2445	.3081	.3878	.3710	.2904	.2184	.1114	.0073	0	.0287	.2522
231	-33.89	0	.0466	.1560	.2428	.2904	.3544	.3391	.2796	.2204	.1214	.0158	0	.0275	.2626
232	-30.46	0	.0582	.1643	.2409	.2719	.3192	.3056	.2682	.2225	.1318	.0246	0	.0262	.2735
233	-26.88	0	.0707	.1717	.2380	.2553	.2823	.2703	.2567	.2234	.1418	.0368	0	.0253	.2823
234	-23.27	0	.0835	.1790	.2350	.2390	.2449	.2346	.2452	.2241	.1517	.0495	0	.0245	.2908
235	-19.65	.0010	.0963	.1862	.2318	.2227	.2074	.1999	.2335	.2247	.1616	.0624	0	.0237	.2989
236	-16.11	.0113	.1089	.1917	.2274	.2074	.1702	.1747	.2218	.2238	.1701	.0760	0	.0233	.3040
237	-12.66	.0213	.1212	.1972	.2232	.1925	.1339	.1502	.2104	.2229	.1785	.0893	0	.0229	.3089
238	-9.40	.0317	.1327	.2021	.2189	.1785	.1018	.1278	.1995	.2218	.1861	.1020	.0023	.0226	.3130
239	-6.33	.0455	.1434	.2055	.2137	.1655	.0808	.1104	.1889	.2195	.1922	.1145	.0139	.0225	.3145
240	-3.54	.0580	.1531	.2087	.2090	.1537	.0617	.0946	.1792	.2174	.1978	.1258	.0245	.0223	.3158
241	-1.04	.0692	.1619	.2115	.2048	.1432	.0446	.0805	.1706	.2156	.2028	.1360	.0340	.0222	.3170
242	1.11	.0801	.1693	.2135	.2008	.1344	.0334	.0696	.1631	.2135	.2068	.1449	.0455	.0222	.3170
243	2.88	.0901	.1753	.2148	.1973	.1272	.0267	.0616	.1569	.2115	.2098	.1524	.0577	.0223	.3161
244	4.23	.0977	.1800	.2158	.1946	.1218	.0216	.0555	.1522	.2100	.2121	.1581	.0670	.0224	.3155
245	5.12	.1027	.1830	.2165	.1928	.1182	.0183	.0515	.1490	.2090	.2136	.1619	.0731	.0224	.3150

DAILY AVERAGE INCIDENT SOLAR VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH	SPACE
246	5.53	.1050	.1844	.2168	.1920	.1166	.0168	.0496	.1476	.2085	.2144	.1636	.0759	.0224	.3148
247	5.53	.1050	.1844	.2168	.1920	.1166	.0168	.0496	.1476	.2085	.2144	.1636	.0759	.0224	.3148
248	5.06	.1023	.1828	.2164	.1929	.1185	.0185	.0517	.1492	.2090	.2136	.1617	.0727	.0224	.3151
249	4.11	.0970	.1796	.2157	.1948	.1223	.0221	.0560	.1526	.2101	.2119	.1576	.0662	.0224	.3155
250	2.71	.0892	.1748	.2147	.1976	.1279	.0273	.0623	.1575	.2117	.2095	.1517	.0566	.0223	.3162
251	0.88	.0788	.1685	.2134	.2012	.1353	.0342	.0706	.1639	.2138	.2064	.1439	.0440	.0222	.3171
252	-1.32	.0680	.1609	.2112	.2052	.1444	.0465	.0821	.1716	.2158	.2023	.1348	.0329	.0223	.3169
253	-3.89	.0564	.1519	.2083	.2096	.1552	.0641	.0966	.1805	.2177	.1971	.1244	.0232	.0224	.3156
254	-6.75	.0436	.1419	.2051	.2144	.1673	.0837	.1128	.1904	.2198	.1914	.1128	.0123	.0225	.3143
255	-9.91	.0294	.1309	.2015	.2197	.1806	.1053	.1307	.2013	.2221	.1851	.1000	.0003	.0226	.3127
256	-13.26	.0196	.1190	.1963	.2239	.1951	.1402	.1544	.2124	.2230	.1770	.0870	0	.0230	.3080
257	-16.82	.0092	.1064	.1906	.2283	.2105	.1777	.1798	.2242	.2240	.1684	.0733	0	.0234	.3029
258	-20.48	0	.0934	.1846	.2326	.2264	.2160	.2071	.2362	.2247	.1594	.0593	0	.0238	.2973
259	-24.26	0	.0800	.1770	.2358	.2434	.2551	.2444	.2483	.2239	.1490	.0460	0	.0247	.2884
260	-28.03	0	.0667	.1694	.2390	.2605	.2941	.2816	.2604	.2232	.1386	.0328	0	.0255	.2796
261	-31.77	0	.0537	.1611	.2416	.2790	.3327	.3184	.2726	.2217	.1278	.0212	0	.0267	.2694
262	-35.46	0	.0413	.1522	.2436	.2989	.3704	.3544	.2848	.2194	.1166	.0117	0	.0281	.2576
263	-38.97	0	.0296	.1437	.2455	.3178	.4063	.3886	.2964	.2172	.1059	.0027	0	.0294	.2465
264	-42.26	0	.0212	.1349	.2469	.3423	.4411	.4218	.3107	.2145	.0952	0	0	.0315	.2342
265	-45.19	0	.0148	.1267	.2480	.3667	.4726	.4518	.3248	.2118	.0854	0	0	.0336	.2226
266	-47.70	0	.0093	.1197	.2490	.3877	.4995	.4775	.3368	.2095	.0770	0	0	.0354	.2126
267	-49.63	0	.0052	.1143	.2497	.4038	.5202	.4972	.3461	.2078	.0705	0	0	.0369	.2049
268	-50.93	0	.0023	.1107	.2502	.4146	.5341	.5104	.3523	.2066	.0662	0	0	.0378	.1998
269	-51.46	0	.0012	.1092	.2504	.4191	.5398	.5159	.3549	.2061	.0644	0	0	.0382	.1977
270	-51.21	0	.0017	.1099	.2503	.4170	.5372	.5134	.3537	.2063	.0652	0	0	.0380	.1986
271	-50.21	0	.0039	.1127	.2499	.4087	.5264	.5031	.3489	.2072	.0686	0	0	.0373	.2026
272	-48.49	0	.0076	.1175	.2493	.3943	.5080	.4855	.3406	.2088	.0744	0	0	.0360	.2095
273	-46.18	0	.0127	.1239	.2484	.3750	.4832	.4619	.3295	.2109	.0821	0	0	.0343	.2186
274	-43.34	0	.0188	.1319	.2473	.3513	.4527	.4328	.3159	.2135	.0916	0	0	.0322	.2299
275	-40.14	0	.0258	.1408	.2461	.3246	.4184	.4001	.3005	.2165	.1023	0	0	.0299	.2426
276	-36.63	0	.0374	.1493	.2442	.3052	.3824	.3658	.2887	.2187	.1130	.0087	0	.0285	.2539
277	-33.19	0	.0490	.1577	.2424	.2866	.3472	.3322	.2773	.2208	.1235	.0176	0	.0272	.2649
278	-29.45	0	.0617	.1665	.2402	.2669	.3088	.2956	.2649	.2229	.1347	.0277	0	.0259	.2763
279	-25.51	0	.0756	.1745	.2369	.2491	.2681	.2568	.2523	.2237	.1456	.0416	0	.0250	.2855
280	-21.61	0	.0894	.1824	.2336	.2315	.2277	.2182	.2398	.2245	.1563	.0553	0	.0241	.2946
281	-17.72	.0066	.1032	.1892	.2294	.2143	.1871	.1861	.2271	.2242	.1662	.0698	0	.0234	.3017
282	-13.93	.0176	.1167	.1952	.2247	.1980	.1472	.1592	.2146	.2232	.1754	.0844	0	.0230	.3071
283	-10.26	.0283	.1297	.2010	.2202	.1821	.1086	.1330	.2025	.2223	.1843	.0986	0	.0226	.3123
284	-6.79	.0434	.1418	.2050	.2145	.1675	.0840	.1130	.1905	.2198	.1913	.1126	.0122	.0225	.3142
285	-3.53	.0581	.1532	.2087	.2090	.1537	.0616	.0946	.1792	.2174	.1978	.1259	.0245	.0223	.3158
286	-0.55	.0714	.1636	.2121	.2039	.1411	.0413	.0777	.1689	.2152	.2038	.1380	.0358	.0222	.3172

DAILY AVERAGE INCIDENT SOLAR VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH	SPACE
287	2.12	.0858	.1727	.2143	.1988	.1303	.0296	.0650	.1596	.2124	.2085	.1492	.0525	.0223	.3165
288	4.42	.0988	.1806	.2160	.1942	.1210	.0209	.0546	.1515	.2098	.2125	.1590	.0683	.0224	.3154
289	6.34	.1095	.1872	.2174	.1904	.1133	.0137	.0460	.1448	.2076	.2157	.1671	.0815	.0225	.3145
290	7.81	.1178	.1922	.2185	.1875	.1074	.0082	.0393	.1396	.2059	.2183	.1733	.0916	.0225	.3138
291	8.82	.1235	.1957	.2192	.1854	.1033	.0044	.0347	.1360	.2047	.2200	.1776	.0986	.0226	.3133
292	9.36	.1265	.1975	.2196	.1844	.1012	.0024	.0323	.1341	.2041	.2209	.1799	.1023	.0226	.3130
293	9.41	.1268	.1977	.2197	.1843	.1010	.0022	.0321	.1340	.2041	.2210	.1801	.1026	.0226	.3130
294	8.96	.1243	.1961	.2193	.1852	.1028	.0039	.0341	.1356	.2046	.2202	.1782	.0995	.0226	.3132
295	8.03	.1190	.1930	.2186	.1870	.1065	.0074	.0383	.1388	.2056	.2186	.1743	.0932	.0225	.3136
296	6.67	.1114	.1883	.2176	.1897	.1120	.0125	.0445	.1436	.2072	.2163	.1685	.0838	.0225	.3143
297	4.87	.1012	.1821	.2163	.1933	.1192	.0193	.0526	.1499	.2093	.2132	.1606	.0714	.0224	.3152
298	2.71	.0891	.1748	.2147	.1976	.1279	.0273	.0624	.1575	.2117	.2095	.1517	.0565	.0223	.3162
299	0.19	.0750	.1661	.2128	.2026	.1380	.0368	.0737	.1663	.2146	.2052	.1410	.0392	.0222	.3174
300	-2.60	.0622	.1564	.2098	.2074	.1498	.0553	.0893	.1760	.2167	.1997	.1296	.0280	.0223	.3163
301	-5.65	.0485	.1458	.2063	.2125	.1626	.0761	.1066	.1865	.2190	.1936	.1173	.0165	.0224	.3148
302	-8.86	.0341	.1346	.2027	.2180	.1762	.0981	.1248	.1977	.2214	.1872	.1042	.0043	.0226	.3132
303	-12.24	.0225	.1226	.1979	.2227	.1907	.1295	.1472	.2090	.2228	.1795	.0909	0	.0228	.3095
304	-15.68	.0125	.1104	.1924	.2269	.2055	.1656	.1716	.2204	.2237	.1712	.0777	0	.0232	.3046
305	-19.17	.0024	.0980	.1869	.2312	.2206	.2024	.1965	.2320	.2246	.1627	.0642	0	.0236	.2996
306	-22.63	0	.0858	.1803	.2344	.2361	.2383	.2284	.2431	.2243	.1535	.0517	0	.0243	.2922
307	-25.74	0	.0748	.1740	.2371	.2502	.2705	.2591	.2531	.2237	.1449	.0408	0	.0250	.2850
308	-28.85	0	.0638	.1677	.2397	.2642	.3027	.2898	.2630	.2230	.1364	.0298	0	.0257	.2777
309	-31.88	0	.0534	.1609	.2417	.2795	.3337	.3194	.2729	.2216	.1275	.0210	0	.0267	.2690
310	-34.57	0	.0444	.1543	.2431	.2941	.3613	.3457	.2818	.2200	.1193	.0140	0	.0277	.2605
311	-36.88	0	.0366	.1487	.2443	.3066	.3850	.3683	.2895	.2185	.1123	.0080	0	.0286	.2531
312	-38.73	0	.0304	.1443	.2453	.3165	.4038	.3863	.2956	.2174	.1067	.0033	0	.0293	.2473
313	-40.03	0	.0260	.1411	.2460	.3236	.4172	.3990	.2999	.2166	.1027	.0000	0	.0298	.2431
314	-40.71	0	.0246	.1392	.2463	.3293	.4245	.4060	.3032	.2159	.1004	.0000	0	.0303	.2404
315	-40.75	0	.0245	.1391	.2463	.3297	.4250	.4064	.3034	.2159	.1003	.0000	0	.0304	.2402
316	-40.14	0	.0258	.1408	.2461	.3246	.4184	.4002	.3005	.2165	.1023	.0000	0	.0299	.2426
317	-38.88	0	.0299	.1439	.2454	.3173	.4054	.3877	.2961	.2173	.1062	.0029	0	.0294	.2468
318	-37.04	0	.0361	.1484	.2444	.3074	.3866	.3698	.2900	.2184	.1118	.0076	0	.0287	.2526
319	-34.66	0	.0440	.1541	.2432	.2946	.3622	.3466	.2821	.2199	.1190	.0138	0	.0278	.2602
320	-31.85	0	.0535	.1609	.2417	.2794	.3334	.3191	.2728	.2217	.1276	.0210	0	.0267	.2691
321	-28.64	0	.0645	.1681	.2395	.2633	.3005	.2877	.2624	.2231	.1369	.0306	0	.0257	.2782
322	-25.16	0	.0768	.1752	.2366	.2475	.2644	.2533	.2512	.2238	.1465	.0428	0	.0249	.2863
323	-21.43	0	.0900	.1827	.2334	.2307	.2259	.2165	.2393	.2245	.1568	.0560	0	.0240	.2950
324	-17.56	.0071	.1037	.1894	.2292	.2137	.1855	.1851	.2266	.2242	.1666	.0704	0	.0234	.3019
325	-13.56	.0187	.1180	.1958	.2243	.1964	.1434	.1566	.2134	.2231	.1763	.0859	0	.0230	.3076
326	-9.54	.0311	.1322	.2019	.2191	.1791	.1027	.1286	.2000	.2219	.1858	.1015	.0017	.0226	.3129
327	-5.48	.0493	.1464	.2065	.2123	.1619	.0750	.1056	.1860	.2189	.1939	.1179	.0171	.0224	.3149

DAILY AVERAGE INCIDENT SOLAR VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH	SPACE
328	-1.49	.0672	.1603	.2110	.2055	.1451	.0477	.0830	.1722	.2159	.2019	.1341	.0322	.0223	.3168
329	2.42	.0875	.1738	.2145	.1982	.1291	.0284	.0636	.1585	.2120	.2090	.1505	.0546	.0223	.3163
330	6.16	.1085	.1866	.2173	.1907	.1140	.0144	.0467	.1454	.2078	.2154	.1663	.0803	.0224	.3145
331	9.75	.1287	.1988	.2199	.1836	.0996	.0009	.0305	.1328	.2037	.2216	.1815	.1050	.0226	.3128
332	13.06	.1518	.2098	.2209	.1758	.0869	0	.0204	.1210	.1985	.2258	.1959	.1388	.0229	.3083
333	16.09	.1733	.2197	.2217	.1685	.0753	0	.0115	.1101	.1937	.2296	.2091	.1707	.0233	.3040
334	18.75	.1922	.2285	.2224	.1621	.0651	0	.0037	.1006	.1894	.2328	.2206	.1986	.0236	.3002
335	21.03	.2113	.2359	.2225	.1563	.0567	0	0	.0924	.1853	.2353	.2308	.2225	.0239	.2960
336	22.71	.2278	.2412	.2222	.1517	.0509	0	0	.0864	.1819	.2367	.2384	.2398	.0243	.2921
337	24.07	.2412	.2455	.2219	.1480	.0461	0	0	.0816	.1791	.2379	.2446	.2539	.0246	.2889
338	24.87	.2492	.2481	.2217	.1458	.0433	0	0	.0787	.1775	.2386	.2483	.2622	.0248	.2870
339	25.13	.2517	.2489	.2217	.1451	.0424	0	0	.0778	.1770	.2388	.2495	.2649	.0249	.2864
340	24.84	.2489	.2480	.2217	.1459	.0434	0	0	.0788	.1776	.2386	.2481	.2619	.0248	.2871
341	24.01	.2406	.2454	.2219	.1482	.0463	0	0	.0818	.1793	.2378	.2443	.2533	.0246	.2890
342	22.68	.2275	.2411	.2222	.1518	.0510	0	0	.0865	.1820	.2367	.2383	.2395	.0243	.2921
343	20.89	.2099	.2354	.2225	.1567	.0572	0	0	.0929	.1856	.2352	.2302	.2210	.0239	.2963
344	18.70	.1919	.2283	.2224	.1622	.0653	0	.0038	.1008	.1895	.2328	.2204	.1981	.0236	.3003
345	16.16	.1738	.2200	.2217	.1683	.0750	0	.0113	.1099	.1935	.2296	.2094	.1714	.0233	.3039
346	13.33	.1537	.2106	.2210	.1751	.0859	0	.0196	.1200	.1981	.2261	.1971	.1417	.0230	.3079
347	10.29	.1322	.2007	.2202	.1824	.0975	0	.0285	.1308	.2029	.2224	.1839	.1098	.0226	.3123
348	7.07	.1136	.1897	.2179	.1889	.1104	.0110	.0426	.1422	.2067	.2170	.1702	.0865	.0225	.3141
349	3.77	.0951	.1784	.2155	.1955	.1236	.0234	.0576	.1538	.2105	.2113	.1562	.0638	.0224	.3157
350	0.41	.0762	.1669	.2130	.2022	.1372	.0360	.0728	.1656	.2143	.2056	.1419	.0407	.0222	.3173
351	-2.92	.0608	.1553	.2094	.2079	.1511	.0575	.0911	.1771	.2170	.1991	.1283	.0268	.0223	.3161
352	-6.21	.0460	.1438	.2057	.2135	.1650	.0800	.1097	.1885	.2194	.1925	.1150	.0144	.0224	.3145
353	-9.34	.0320	.1329	.2021	.2188	.1782	.1014	.1275	.1993	.2217	.1862	.1023	.0025	.0226	.3130
354	-12.31	.0223	.1224	.1978	.2227	.1910	.1302	.1476	.2092	.2228	.1793	.0907	0	.0229	.3094
355	-15.02	.0144	.1128	.1935	.2261	.2027	.1587	.1669	.2182	.2235	.1728	.0802	0	.0232	.3055
356	-17.43	.0074	.1042	.1897	.2290	.2131	.1841	.1841	.2262	.2241	.1669	.0709	0	.0234	.3021
357	-19.47	.0015	.0970	.1864	.2316	.2219	.2056	.1987	.2330	.2247	.1620	.0630	0	.0236	.2992
358	-21.11	0	.0912	.1834	.2331	.2292	.2226	.2134	.2383	.2246	.1576	.0571	0	.0240	.2958
359	-22.27	0	.0871	.1810	.2341	.2345	.2346	.2248	.2420	.2243	.1545	.0530	0	.0242	.2931
360	-22.93	0	.0847	.1797	.2347	.2374	.2414	.2313	.2441	.2242	.1526	.0507	0	.0244	.2915
361	-23.06	0	.0843	.1794	.2348	.2380	.2427	.2326	.2445	.2242	.1523	.0502	0	.0244	.2912
362	-22.64	0	.0857	.1803	.2344	.2362	.2384	.2285	.2432	.2243	.1534	.0517	0	.0243	.2922
363	-21.69	0	.0891	.1822	.2336	.2318	.2286	.2191	.2401	.2245	.1560	.0550	0	.0241	.2944
364	-20.25	0	.0942	.1851	.2324	.2253	.2136	.2048	.2355	.2248	.1600	.0601	0	.0238	.2978
365	-18.29	.0050	.1012	.1883	.2301	.2168	.1931	.1902	.2290	.2244	.1648	.0676	0	.0235	.3008
366	-15.97	.0117	.1094	.1920	.2272	.2068	.1687	.1737	.2214	.2238	.1704	.0765	0	.0233	.3042
367	-13.40	.0191	.1185	.1960	.2241	.1957	.1416	.1554	.2128	.2231	.1767	.0865	0	.0230	.3078
368	-10.32	.0281	.1295	.2009	.2203	.1824	.1092	.1335	.2026	.2223	.1841	.0984	0	.0226	.3122

DAILY AVERAGE INCIDENT SOLAR VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH	SPACE
369	-6.98	.0426	.1411	.2048	.2148	.1682	.0852	.1141	.1911	.2200	.1909	.1119	.0115	.0225	.3142
370	-3.38	.0587	.1537	.2089	.2087	.1531	.0606	.0937	.1787	.2173	.1981	.1265	.0251	.0223	.3159
371	0.36	.0759	.1667	.2130	.2023	.1374	.0362	.0730	.1657	.2144	.2055	.1417	.0404	.0222	.3173
372	4.27	.0979	.1801	.2159	.1945	.1216	.0215	.0553	.1520	.2099	.2122	.1583	.0673	.0224	.3154
373	8.24	.1202	.1937	.2188	.1866	.1057	.0066	.0373	.1381	.2054	.2190	.1751	.0946	.0225	.3135
374	12.28	.1463	.2072	.2207	.1776	.0899	0	.0227	.1237	.1997	.2248	.1925	.1307	.0229	.3094
375	16.27	.1746	.2203	.2217	.1681	.0746	0	.0110	.1095	.1934	.2298	.2099	.1726	.0233	.3037
376	20.23	.2034	.2333	.2227	.1585	.0595	0	0	.0953	.1869	.2346	.2272	.2142	.0238	.2979
377	24.05	.2410	.2455	.2219	.1481	.0462	0	0	.0817	.1792	.2379	.2445	.2536	.0246	.2889
378	27.72	.2772	.2571	.2212	.1380	.0334	0	0	.0685	.1717	.2410	.2612	.2916	.0255	.2803
379	31.12	.3106	.2681	.2200	.1284	.0226	0	0	.0566	.1644	.2436	.2776	.3266	.0264	.2714
380	34.24	.3412	.2784	.2180	.1190	.0147	0	0	.0460	.1568	.2452	.2945	.3586	.0276	.2615
381	36.94	.3676	.2872	.2163	.1109	.0078	0	0	.0368	.1502	.2467	.3091	.3862	.0286	.2529
382	39.18	.3895	.2946	.2149	.1042	.0021	0	0	.0292	.1447	.2479	.3213	.4091	.0295	.2458
383	40.87	.4064	.3015	.2136	.0988	0	0	0	.0245	.1403	.2486	.3329	.4268	.0304	.2397
384	41.95	.4175	.3067	.2126	.0952	0	0	0	.0221	.1372	.2491	.3420	.4384	.0312	.2354
385	42.38	.4218	.3087	.2122	.0938	0	0	0	.0212	.1360	.2492	.3455	.4430	.0315	.2338
386	42.14	.4194	.3076	.2125	.0946	0	0	0	.0217	.1367	.2491	.3435	.4404	.0314	.2347
387	41.26	.4104	.3034	.2133	.0975	0	0	0	.0236	.1392	.2488	.3362	.4310	.0307	.2382
388	39.76	.3952	.2965	.2146	.1024	.0006	0	0	.0272	.1433	.2482	.3244	.4150	.0297	.2440
389	37.75	.3755	.2899	.2158	.1085	.0057	0	0	.0340	.1482	.2471	.3136	.3945	.0289	.2503
390	35.28	.3514	.2818	.2174	.1159	.0120	0	0	.0424	.1542	.2458	.3002	.3693	.0280	.2582

LONG DURATION EXPOSURE FACILITY
SOLAR ILLUMINATION DATA PACKAGE

ORBITAL SOLAR ILLUMINATION FACTORS
> ALBEDO

FORM FACTORS @ 10° YAW (ALL ROWS/ENDS)

DAILY AVERAGE

(ONE YEAR SEASONAL CYCLE)

TABLE

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DAILY AVERAGE INCIDENT ALBEDO VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END
0	-9.07	.0840	.0849	.0848	.0836	.0853	.0872	.0877	.0874	.0855	.0823	.0805	.0833	.2795
1	-5.51	.0852	.0858	.0854	.0838	.0852	.0869	.0875	.0874	.0858	.0830	.0822	.0846	.2810
2	-1.78	.0865	.0868	.0860	.0840	.0851	.0866	.0872	.0873	.0861	.0837	.0841	.0859	.2826
3	2.12	.0872	.0872	.0861	.0837	.0844	.0858	.0864	.0867	.0859	.0840	.0851	.0867	.2825
4	6.08	.0875	.0871	.0858	.0829	.0832	.0844	.0850	.0857	.0853	.0838	.0852	.0870	.2808
5	10.12	.0878	.0870	.0854	.0820	.0819	.0829	.0836	.0845	.0845	.0836	.0854	.0873	.2789
6	14.12	.0870	.0861	.0839	.0802	.0798	.0806	.0813	.0824	.0829	.0824	.0845	.0866	.2739
7	18.11	.0863	.0852	.0825	.0785	.0776	.0782	.0789	.0803	.0812	.0812	.0836	.0858	.2688
8	21.96	.0850	.0838	.0806	.0763	.0751	.0755	.0762	.0778	.0791	.0795	.0823	.0847	.2624
9	25.67	.0833	.0819	.0785	.0737	.0722	.0725	.0732	.0750	.0766	.0775	.0805	.0831	.2547
10	29.13	.0818	.0801	.0764	.0714	.0696	.0696	.0704	.0724	.0743	.0756	.0789	.0816	.2475
11	32.30	.0798	.0780	.0740	.0687	.0667	.0665	.0673	.0694	.0717	.0733	.0769	.0797	.2392
12	35.12	.0779	.0759	.0716	.0662	.0639	.0636	.0644	.0667	.0692	.0712	.0749	.0778	.2313
13	37.47	.0762	.0741	.0697	.0641	.0616	.0612	.0620	.0644	.0671	.0693	.0733	.0762	.2246
14	39.33	.0750	.0727	.0682	.0624	.0599	.0593	.0601	.0626	.0655	.0679	.0720	.0749	.2194
15	40.58	.0740	.0716	.0670	.0612	.0585	.0579	.0587	.0612	.0643	.0668	.0710	.0740	.2155
16	41.20	.0734	.0710	.0664	.0605	.0578	.0572	.0580	.0605	.0636	.0662	.0704	.0734	.2133
17	41.16	.0734	.0711	.0664	.0605	.0578	.0572	.0580	.0605	.0636	.0662	.0704	.0734	.2134
18	40.47	.0741	.0717	.0671	.0613	.0586	.0580	.0588	.0613	.0644	.0669	.0711	.0741	.2158
19	39.19	.0751	.0728	.0683	.0625	.0600	.0594	.0602	.0627	.0656	.0680	.0721	.0750	.2198
20	37.34	.0763	.0742	.0698	.0642	.0618	.0613	.0621	.0645	.0672	.0694	.0734	.0763	.2250
21	35.05	.0779	.0759	.0717	.0663	.0640	.0637	.0645	.0668	.0693	.0712	.0750	.0778	.2315
22	32.34	.0798	.0779	.0740	.0687	.0666	.0665	.0673	.0694	.0716	.0733	.0769	.0796	.2391
23	29.37	.0817	.0800	.0763	.0712	.0694	.0694	.0702	.0722	.0741	.0754	.0788	.0815	.2470
24	26.14	.0831	.0817	.0782	.0734	.0719	.0721	.0728	.0746	.0763	.0772	.0803	.0829	.2537
25	22.79	.0846	.0834	.0802	.0757	.0745	.0748	.0755	.0772	.0785	.0791	.0819	.0843	.2606
26	19.32	.0860	.0849	.0820	.0779	.0770	.0775	.0782	.0797	.0807	.0808	.0833	.0856	.2673
27	15.85	.0867	.0857	.0833	.0795	.0788	.0796	.0803	.0815	.0821	.0818	.0841	.0862	.2717
28	12.46	.0873	.0865	.0845	.0810	.0807	.0816	.0823	.0833	.0836	.0829	.0849	.0869	.2760
29	9.57	.0878	.0870	.0854	.0822	.0821	.0832	.0838	.0847	.0847	.0836	.0854	.0873	.2793
30	6.25	.0875	.0871	.0857	.0829	.0831	.0843	.0850	.0856	.0852	.0838	.0852	.0870	.2807
31	3.21	.0873	.0872	.0860	.0835	.0840	.0854	.0860	.0864	.0858	.0839	.0851	.0868	.2820
32	0.38	.0871	.0873	.0863	.0840	.0849	.0864	.0870	.0872	.0862	.0841	.0850	.0865	.2832
33	-2.17	.0864	.0867	.0859	.0840	.0851	.0867	.0873	.0873	.0861	.0837	.0839	.0857	.2825
34	-4.40	.0856	.0861	.0856	.0839	.0851	.0869	.0874	.0873	.0859	.0832	.0828	.0850	.2815
35	-6.25	.0850	.0856	.0852	.0838	.0852	.0870	.0875	.0874	.0857	.0828	.0819	.0843	.2807
36	-7.70	.0845	.0852	.0850	.0837	.0852	.0871	.0876	.0874	.0856	.0826	.0812	.0838	.2801
37	-8.70	.0841	.0850	.0848	.0837	.0853	.0872	.0877	.0874	.0855	.0824	.0807	.0835	.2797
38	-9.25	.0840	.0848	.0847	.0836	.0853	.0872	.0877	.0874	.0855	.0823	.0804	.0833	.2794
39	-9.30	.0839	.0848	.0847	.0836	.0853	.0872	.0878	.0874	.0855	.0822	.0804	.0832	.2794
40	-8.87	.0841	.0849	.0848	.0837	.0853	.0872	.0877	.0874	.0855	.0823	.0806	.0834	.2796

DAILY AVERAGE INCIDENT ALBEDO VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END
41	-7.96	.0844	.0851	.0849	.0837	.0852	.0871	.0877	.0874	.0856	.0825	.0810	.0837	.2800
42	-6.60	.0849	.0855	.0852	.0838	.0852	.0870	.0876	.0874	.0857	.0828	.0817	.0842	.2806
43	-4.80	.0855	.0860	.0855	.0839	.0851	.0869	.0874	.0873	.0859	.0831	.0826	.0848	.2813
44	-2.61	.0862	.0866	.0859	.0840	.0851	.0867	.0873	.0873	.0861	.0836	.0837	.0856	.2823
45	-0.05	.0871	.0873	.0863	.0841	.0850	.0865	.0871	.0873	.0863	.0841	.0850	.0865	.2834
46	2.83	.0873	.0872	.0860	.0835	.0842	.0855	.0861	.0865	.0858	.0840	.0851	.0867	.2822
47	5.99	.0875	.0871	.0858	.0829	.0832	.0844	.0851	.0857	.0853	.0838	.0852	.0870	.2808
48	9.39	.0878	.0870	.0855	.0822	.0822	.0832	.0839	.0848	.0847	.0836	.0854	.0873	.2794
49	12.96	.0872	.0863	.0843	.0808	.0804	.0813	.0820	.0830	.0834	.0827	.0847	.0868	.2753
50	16.69	.0865	.0855	.0830	.0791	.0784	.0791	.0798	.0811	.0818	.0816	.0839	.0861	.2706
51	20.51	.0857	.0845	.0815	.0773	.0762	.0767	.0774	.0789	.0801	.0803	.0830	.0853	.2653
52	24.40	.0839	.0826	.0792	.0746	.0732	.0735	.0742	.0760	.0775	.0782	.0811	.0836	.2573
53	28.27	.0822	.0806	.0769	.0720	.0702	.0703	.0711	.0730	.0749	.0761	.0793	.0819	.2493
54	32.10	.0799	.0781	.0742	.0689	.0669	.0667	.0675	.0696	.0718	.0735	.0770	.0798	.2398
55	35.81	.0774	.0753	.0711	.0656	.0633	.0629	.0637	.0660	.0686	.0706	.0744	.0773	.2293
56	39.34	.0750	.0727	.0681	.0624	.0598	.0593	.0601	.0625	.0655	.0679	.0720	.0749	.2194
57	42.59	.0721	.0697	.0649	.0590	.0562	.0555	.0563	.0589	.0620	.0648	.0691	.0721	.2084
58	45.48	.0694	.0669	.0619	.0558	.0528	.0520	.0528	.0555	.0589	.0619	.0664	.0695	.1982
59	47.92	.0672	.0645	.0593	.0532	.0500	.0490	.0498	.0526	.0562	.0595	.0641	.0672	.1896
60	49.70	.0655	.0627	.0575	.0512	.0479	.0469	.0477	.0505	.0542	.0577	.0624	.0656	.1834
61	50.84	.0645	.0616	.0563	.0500	.0466	.0455	.0463	.0492	.0530	.0566	.0614	.0646	.1794
62	51.40	.0640	.0611	.0557	.0494	.0459	.0448	.0456	.0485	.0524	.0560	.0609	.0641	.1774
63	51.19	.0641	.0613	.0559	.0496	.0461	.0451	.0459	.0488	.0526	.0562	.0611	.0642	.1781
64	50.23	.0650	.0622	.0569	.0506	.0473	.0462	.0470	.0499	.0536	.0572	.0619	.0651	.1815
65	48.58	.0666	.0638	.0587	.0524	.0492	.0482	.0490	.0518	.0555	.0588	.0635	.0666	.1873
66	46.36	.0686	.0660	.0610	.0549	.0518	.0509	.0517	.0544	.0579	.0610	.0656	.0687	.1951
67	43.63	.0711	.0687	.0638	.0578	.0550	.0542	.0550	.0576	.0609	.0638	.0681	.0712	.2047
68	40.54	.0740	.0717	.0670	.0612	.0586	.0579	.0587	.0613	.0643	.0669	.0710	.0740	.2156
69	37.14	.0765	.0743	.0700	.0644	.0620	.0615	.0623	.0647	.0674	.0696	.0735	.0764	.2256
70	33.59	.0789	.0770	.0729	.0676	.0654	.0652	.0660	.0682	.0705	.0723	.0760	.0788	.2356
71	29.91	.0814	.0797	.0760	.0709	.0690	.0690	.0698	.0718	.0738	.0751	.0785	.0812	.2459
72	26.15	.0831	.0817	.0782	.0734	.0719	.0721	.0728	.0746	.0763	.0772	.0803	.0829	.2537
73	22.43	.0848	.0836	.0804	.0759	.0747	.0751	.0758	.0774	.0788	.0793	.0821	.0845	.2614
74	18.73	.0861	.0851	.0823	.0782	.0773	.0779	.0786	.0800	.0809	.0810	.0835	.0857	.2680
75	15.17	.0868	.0859	.0835	.0798	.0792	.0800	.0807	.0819	.0824	.0820	.0843	.0864	.2725
76	11.72	.0875	.0866	.0848	.0813	.0811	.0820	.0827	.0837	.0839	.0831	.0850	.0870	.2769
77	8.51	.0877	.0870	.0855	.0824	.0824	.0835	.0842	.0850	.0849	.0837	.0853	.0872	.2797
78	5.51	.0875	0871	.0858	.0830	.0833	.0846	.0852	.0858	.0854	.0838	.0852	.0869	.2810
79	2.81	.0873	.0872	.0860	.0835	.0842	.0855	.0861	.0865	.0858	.0840	.0851	.0867	.2822
80	0.41	.0871	.0873	.0863	.0840	.0849	.0864	.0870	.0872	.0862	.0841	.0850	.0865	.2832
81	-1.60	.0866	.0869	.0860	.0840	.0850	.0866	.0872	.0873	.0862	.0838	.0842	.0859	.2827

DAILY AVERAGE INCIDENT ALBEDO VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END
82	-3.23	.0860	.0864	.0858	.0839	.0851	.0868	.0873	.0873	.0860	.0835	.0834	.0854	.2820
83	-4.41	.0856	.0861	.0856	.0839	.0851	.0869	.0874	.0873	.0859	.0832	.0828	.0850	.2815
84	-5.16	.0853	.0859	.0854	.0838	.0852	.0869	.0875	.0874	.0858	.0831	.0824	.0847	.2812
85	-5.43	.0853	.0858	.0854	.0838	.0852	.0869	.0875	.0874	.0858	.0830	.0823	.0846	.2811
86	-5.24	.0853	.0859	.0854	.0838	.0852	.0869	.0875	.0874	.0858	.0831	.0824	.0847	.2811
87	-4.57	.0855	.0861	.0855	.0839	.0851	.0869	.0874	.0873	.0859	.0832	.0827	.0849	.2814
88	-3.46	.0859	.0864	.0857	.0839	.0851	.0868	.0873	.0873	.0860	.0834	.0833	.0853	.2819
89	-1.92	.0864	.0868	.0860	.0840	.0851	.0867	.0872	.0873	.0861	.0837	.0840	.0858	.2826
90	0.03	.0871	.0873	.0863	.0841	.0850	.0865	.0871	.0873	.0863	.0841	.0850	.0865	.2834
91	2.30	.0873	.0872	.0861	.0836	.0843	.0857	.0863	.0867	.0859	.0840	.0851	.0867	.2824
92	4.66	.0874	.0872	.0859	.0832	.0836	.0849	.0855	.0860	.0855	.0839	.0852	.0869	.2814
93	7.48	.0876	.0871	.0856	.0826	.0828	.0839	.0846	.0853	.0850	.0837	.0853	.0871	.2802
94	10.61	.0877	.0869	.0852	.0818	.0817	.0826	.0833	.0843	.0843	.0834	.0853	.0872	.2783
95	13.91	.0871	.0861	.0840	.0803	.0799	.0807	.0814	.0825	.0830	.0824	.0845	.0866	.2741
96	17.39	.0864	.0854	.0827	.0788	.0780	.0786	.0793	.0807	.0815	.0814	.0838	.0860	.2697
97	20.94	.0855	.0843	.0812	.0770	.0759	.0763	.0770	.0786	.0798	.0801	.0828	.0851	.2645
98	24.57	.0838	.0825	.0791	.0745	.0731	.0734	.0741	.0758	.0773	.0781	.0811	.0835	.2569
99	28.17	.0822	.0806	.0770	.0720	.0703	.0704	.0712	.0731	.0749	.0761	.0794	.0820	.2495
100	31.73	.0802	.0784	.0745	.0692	.0672	.0671	.0679	.0700	.0722	.0738	.0773	.0800	.2408
101	35.13	.0779	.0759	.0716	.0662	.0639	.0636	.0644	.0667	.0692	.0712	.0749	.0778	.2312
102	38.36	.0756	.0734	.0690	.0633	.0608	.0603	.0611	.0635	.0663	.0687	.0726	.0756	.2221
103	41.27	.0733	.0710	.0663	.0604	.0577	.0571	.0579	.0604	.0635	.0661	.0703	.0733	.2130
104	43.82	.0710	.0685	.0636	.0576	.0547	.0540	.0548	.0574	.0607	.0636	.0679	.0710	.2041
105	45.87	.0691	.0665	.0615	.0554	.0524	.0515	.0523	.0550	.0584	.0615	.0660	.0691	.1969
106	47.35	.0677	.0650	.0599	.0538	.0506	.0497	.0505	.0533	.0568	.0600	.0646	.0678	.1916
107	48.17	.0669	.0642	.0591	.0529	.0497	.0487	.0495	.0523	.0559	.0592	.0639	.0670	.1888
108	48.28	.0668	.0641	.0590	.0528	.0495	.0486	.0494	.0522	.0558	.0591	.0638	.0669	.1884
109	47.66	.0674	.0647	.0596	.0534	.0503	.0493	.0501	.0529	.0565	.0597	.0643	.0675	.1906
110	46.33	.0686	.0660	.0610	.0549	.0518	.0510	.0518	.0545	.0579	.0611	.0656	.0687	.1952
111	44.40	.0704	.0679	.0630	.0570	.0541	.0533	.0541	.0567	.0601	.0630	.0674	.0705	.2020
112	41.89	.0727	.0704	.0656	.0597	.0570	.0563	.0571	.0597	.0628	.0655	.0697	.0728	.2108
113	38.97	.0752	.0730	.0685	.0627	.0602	.0597	.0605	.0629	.0658	.0682	.0722	.0752	.2204
114	35.67	.0775	.0755	.0712	.0657	.0634	.0631	.0639	.0661	.0687	.0707	.0745	.0774	.2297
115	32.12	.0799	.0781	.0741	.0689	.0668	.0667	.0675	.0696	.0718	.0735	.0770	.0798	.2397
116	28.35	.0821	.0805	.0769	.0719	.0702	.0703	.0710	.0730	.0748	.0760	.0793	.0819	.2491
117	24.49	.0839	.0825	.0792	.0745	.0731	.0734	.0742	.0759	.0774	.0781	.0811	.0836	.2571
118	20.57	.0856	.0845	.0815	.0772	.0762	.0766	.0773	.0789	.0800	.0803	.0829	.0853	.2652
119	16.59	.0865	.0856	.0830	.0791	.0784	.0791	.0798	.0811	.0818	.0816	.0840	.0861	.2707
120	12.69	.0873	.0864	.0844	.0809	.0805	.0814	.0821	.0832	.0835	.0828	.0848	.0868	.2757
121	8.84	.0877	.0870	.0855	.0823	.0823	.0834	.0841	.0849	.0848	.0837	.0854	.0872	.2796
122	5.12	.0875	.0871	.0858	.0831	.0835	.0847	.0854	.0859	.0854	.0838	.0852	.0869	.2812

DAILY AVERAGE INCIDENT ALBEDO VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END
123	2.03	.0872	.0872	.0861	.0837	.0844	.0858	.0864	.0868	.0860	.0840	.0851	.0867	.2825
124	-1.37	.0866	.0869	.0861	.0840	.0850	.0866	.0872	.0873	.0862	.0838	.0843	.0860	.2828
125	-4.45	.0856	.0861	.0855	.0839	.0851	.0869	.0874	.0873	.0859	.0832	.0828	.0849	.2815
126	-7.20	.0847	.0854	.0851	.0837	.0852	.0871	.0876	.0874	.0857	.0827	.0814	.0840	.2803
127	-9.62	.0838	.0847	.0847	.0836	.0853	.0873	.0878	.0874	.0854	.0822	.0802	.0831	.2793
128	-11.62	.0827	.0837	.0839	.0831	.0850	.0870	.0875	.0870	.0848	.0814	.0794	.0820	.2770
129	-13.21	.0818	.0829	.0833	.0826	.0846	.0867	.0872	.0866	.0843	.0807	.0789	.0811	.2750
130	-14.31	.0812	.0823	.0828	.0823	.0844	.0865	.0870	.0863	.0839	.0802	.0785	.0805	.2736
131	-14.92	.0808	.0820	.0825	.0821	.0843	.0864	.0869	.0861	.0837	.0799	.0783	.0801	.2729
132	-15.03	.0807	.0819	.0825	.0820	.0842	.0864	.0868	.0861	.0836	.0798	.0783	.0800	.2727
133	-14.64	.0810	.0821	.0827	.0822	.0843	.0865	.0869	.0862	.0838	.0800	.0784	.0803	.2732
134	-13.76	.0815	.0826	.0830	.0824	.0845	.0866	.0871	.0864	.0841	.0804	.0787	.0808	.2743
135	-12.41	.0823	.0833	.0836	.0829	.0848	.0869	.0873	.0868	.0846	.0810	.0792	.0816	.2760
136	-10.65	.0833	.0843	.0843	.0834	.0852	.0872	.0877	.0872	.0852	.0818	.0798	.0826	.2783
137	-8.49	.0842	.0850	.0849	.0837	.0853	.0872	.0877	.0874	.0855	.0824	.0808	.0835	.2797
138	-6.01	.0851	.0857	.0853	.0838	.0852	.0870	.0875	.0874	.0858	.0829	.0820	.0844	.2808
139	-3.23	.0860	.0864	.0858	.0839	.0851	.0868	.0873	.0873	.0860	.0835	.0834	.0854	.2820
140	-0.24	.0870	.0872	.0863	.0841	.0850	.0865	.0871	.0873	.0863	.0841	.0849	.0864	.2833
141	2.95	.0873	.0872	.0860	.0835	.0841	.0855	.0861	.0865	.0858	.0840	.0851	.0867	.2821
142	6.25	.0875	.0871	.0857	.0828	.0831	.0843	.0850	.0856	.0852	.0838	.0853	.0870	.2807
143	9.63	.0878	.0870	.0854	.0822	.0821	.0831	.0838	.0847	.0847	.0836	.0854	.0873	.2793
144	13.02	.0872	.0863	.0843	.0807	.0804	.0812	.0819	.0830	.0833	.0827	.0847	.0868	.2753
145	16.37	.0866	.0856	.0831	.0792	.0786	.0792	.0799	.0812	.0819	.0817	.0840	.0862	.2710
146	19.61	.0860	.0849	.0819	.0778	.0768	.0773	.0780	.0795	.0806	.0807	.0833	.0856	.2669
147	22.70	.0847	.0834	.0802	.0758	.0745	.0749	.0756	.0772	.0786	.0791	.0819	.0843	.2608
148	25.55	.0834	.0820	.0785	.0738	.0723	.0725	.0733	.0751	.0767	.0775	.0806	.0831	.2549
149	28.11	.0823	.0807	.0770	.0721	.0704	.0705	.0712	.0731	.0750	.0761	.0794	.0820	.2496
150	30.28	.0812	.0795	.0757	.0705	.0686	.0686	.0694	.0714	.0735	.0749	.0783	.0810	.2449
151	32.02	.0800	.0782	.0742	.0690	.0669	.0668	.0676	.0697	.0719	.0735	.0771	.0798	.2400
152	33.25	.0792	.0773	.0732	.0679	.0657	.0656	.0664	.0685	.0708	.0726	.0762	.0790	.2365
153	33.89	.0787	.0768	.0727	.0673	.0651	.0649	.0657	.0679	.0703	.0721	.0758	.0786	.2347
154	33.97	.0787	.0767	.0726	.0672	.0650	.0648	.0656	.0678	.0702	.0720	.0757	.0785	.2345
155	33.54	.0790	.0770	.0730	.0676	.0655	.0653	.0661	.0682	.0706	.0724	.0760	.0788	.2357
156	32.49	.0797	.0778	.0738	.0686	.0665	.0663	.0671	.0693	.0715	.0732	.0768	.0795	.2387
157	30.90	.0808	.0790	.0752	.0700	.0680	.0680	.0688	.0708	.0729	.0744	.0779	.0806	.2432
158	28.77	.0820	.0803	.0766	.0716	.0698	.0699	.0707	.0726	.0745	.0758	.0791	.0817	.2482
159	26.21	.0831	.0816	.0781	.0734	.0718	.0720	.0728	.0746	.0762	.0772	.0803	.0828	.2535
160	23.25	.0844	.0831	.0799	.0754	.0741	.0744	.0752	.0768	.0782	.0788	.0817	.0841	.2597
161	19.98	.0859	.0848	.0818	.0776	.0766	.0771	.0778	.0793	.0804	.0806	.0832	.0855	.2664
162	16.43	.0866	.0856	.0831	.0792	.0785	.0792	.0799	.0812	.0819	.0817	.0840	.0861	.2709
163	12.69	.0873	.0864	.0844	.0809	.0805	.0814	.0821	.0832	.0835	.0828	.0848	.0868	.2757

DAILY AVERAGE INCIDENT ALBEDO VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END
164	8.78	.0877	.0870	.0855	.0823	.0824	.0834	.0841	.0849	.0848	.0837	.0854	.0872	.2796
165	4.81	.0874	.0872	.0859	.0831	.0836	.0848	.0855	.0860	.0855	.0839	.0852	.0869	.2813
166	0.76	.0872	.0873	.0862	.0839	.0848	.0862	.0868	.0871	.0862	.0841	.0850	.0866	.2831
167	-3.25	.0860	.0864	.0857	.0839	.0851	.0868	.0873	.0873	.0860	.0834	.0834	.0854	.2820
168	-7.24	.0846	.0853	.0851	.0837	.0852	.0871	.0876	.0874	.0856	.0827	.0814	.0840	.2803
169	-11.11	.0830	.0840	.0841	.0833	.0851	.0871	.0876	.0871	.0850	.0816	.0796	.0823	.2777
170	-14.86	.0808	.0820	.0826	.0821	.0843	.0864	.0869	.0861	.0837	.0799	.0783	.0801	.2729
171	-18.36	.0788	.0802	.0811	.0810	.0835	.0858	.0862	.0852	.0825	.0783	.0772	.0781	.2685
172	-21.62	.0765	.0781	.0793	.0796	.0824	.0848	.0852	.0840	.0809	.0765	.0754	.0758	.2630
173	-24.54	.0741	.0759	.0774	.0781	.0811	.0835	.0839	.0825	.0792	.0745	.0731	.0734	.2570
174	-27.09	.0721	.0739	.0757	.0767	.0799	.0825	.0827	.0812	.0776	.0728	.0711	.0713	.2517
175	-29.17	.0704	.0723	.0743	.0756	.0789	.0816	.0818	.0801	.0764	.0714	.0695	.0696	.2474
176	-30.75	.0689	.0710	.0730	.0745	.0780	.0807	.0809	.0791	.0753	.0701	.0682	.0681	.2436
177	-31.77	.0679	.0700	.0721	.0737	.0773	.0800	.0802	.0784	.0744	.0692	.0672	.0671	.2407
178	-32.21	.0674	.0695	.0717	.0734	.0770	.0797	.0799	.0781	.0741	.0688	.0668	.0666	.2395
179	-32.15	.0675	.0696	.0718	.0734	.0770	.0798	.0799	.0781	.0741	.0689	.0668	.0667	.2396
180	-31.47	.0682	.0703	.0724	.0740	.0775	.0802	.0804	.0786	.0747	.0695	.0675	.0674	.2416
181	-30.25	.0694	.0715	.0735	.0749	.0783	.0810	.0812	.0795	.0757	.0706	.0687	.0686	.2450
182	-28.53	.0709	.0728	.0747	.0759	.0792	.0818	.0821	.0804	.0768	.0718	.0700	.0701	.2487
183	-26.36	.0726	.0745	.0761	.0771	.0802	.0828	.0830	.0816	.0781	.0733	.0717	.0719	.2532
184	-23.84	.0747	.0764	.0778	.0784	.0814	.0838	.0842	.0828	.0796	.0750	.0736	.0739	.2584
185	-21.00	.0770	.0785	.0797	.0800	.0827	.0851	.0854	.0843	.0813	.0769	.0758	.0763	.2643
186	-17.95	.0790	.0804	.0813	.0811	.0836	.0859	.0863	.0853	.0826	.0785	.0773	.0783	.2690
187	-14.71	.0809	.0821	.0826	.0821	.0843	.0865	.0869	.0862	.0838	.0800	.0784	.0802	.2731
188	-11.38	.0829	.0839	.0840	.0832	.0850	.0871	.0875	.0870	.0849	.0815	.0795	.0822	.2773
189	-7.99	.0844	.0851	.0849	.0837	.0852	.0871	.0877	.0874	.0856	.0825	.0810	.0837	.2800
190	-4.63	.0855	.0861	.0855	.0839	.0851	.0869	.0874	.0873	.0859	.0832	.0827	.0849	.2814
191	-1.32	.0867	.0869	.0861	.0840	.0850	.0866	.0872	.0873	.0862	.0838	.0843	.0860	.2828
192	1.85	.0872	.0872	.0861	.0837	.0844	.0859	.0865	.0868	.0860	.0840	.0851	.0866	.2826
193	4.85	.0874	.0872	.0859	.0831	.0835	.0848	.0855	.0860	.0855	.0839	.0852	.0869	.2813
194	7.60	.0876	.0871	.0856	.0826	.0827	.0838	.0845	.0852	.0850	.0837	.0853	.0871	.2801
195	10.09	.0878	.0870	.0854	.0821	.0820	.0829	.0836	.0846	.0846	.0836	.0854	.0873	.2790
196	12.21	.0874	.0865	.0846	.0811	.0808	.0817	.0824	.0834	.0837	.0829	.0849	.0869	.2763
197	13.96	.0870	.0861	.0840	.0803	.0799	.0807	.0814	.0825	.0829	.0824	.0845	.0866	.2741
198	15.25	.0868	.0858	.0835	.0797	.0792	.0799	.0806	.0818	.0824	.0820	.0842	.0864	.2724
199	16.09	.0866	.0857	.0832	.0794	.0787	.0794	.0801	.0814	.0820	.0818	.0841	.0862	.2714
200	16.42	.0866	.0856	.0831	.0792	.0785	.0792	.0799	.0812	.0819	.0817	.0840	.0861	.2709
201	16.24	.0866	.0856	.0832	.0793	.0786	.0793	.0800	.0813	.0820	.0817	.0840	.0862	.2712
202	15.54	.0867	.0858	.0834	.0796	.0790	.0797	.0804	.0817	.0823	.0819	.0842	.0863	.2721
203	14.36	.0870	.0860	.0838	.0801	.0796	.0804	.0811	.0823	.0828	.0823	.0844	.0865	.2736
204	12.69	.0873	.0864	.0844	.0809	.0805	.0814	.0821	.0832	.0835	.0828	.0848	.0868	.2757

DAILY AVERAGE INCIDENT ALBEDO VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END
205	10.58	.0877	.0869	.0852	.0818	.0817	.0827	.0834	.0843	.0844	.0834	.0853	.0872	.2784
206	8.08	.0877	.0871	.0856	.0825	.0826	.0837	.0844	.0851	.0849	.0837	.0853	.0871	.2799
207	5.22	.0875	.0871	.0858	.0831	.0834	.0847	.0853	.0859	.0854	.0838	.0852	.0869	.2812
208	2.06	.0872	.0872	.0861	.0837	.0844	.0858	.0864	.0867	.0860	.0840	.0851	.0867	.2825
209	-1.37	.0866	.0869	.0861	.0840	.0850	.0866	.0872	.0873	.0862	.0838	.0843	.0860	.2828
210	-5.00	.0854	.0860	.0855	.0839	.0851	.0869	.0874	.0873	.0859	.0831	.0825	.0848	.2813
211	-8.80	.0841	.0849	.0848	.0837	.0853	.0872	.0877	.0874	.0855	.0823	.0806	.0834	.2796
212	-12.70	.0821	.0832	.0835	.0828	.0847	.0868	.0873	.0867	.0845	.0809	.0791	.0814	.2757
213	-16.69	.0798	.0811	.0818	.0815	.0839	.0861	.0865	.0857	.0831	.0791	.0777	.0791	.2706
214	-20.71	.0772	.0788	.0799	.0801	.0829	.0852	.0856	.0844	.0815	.0771	.0761	.0765	.2649
215	-24.54	.0741	.0759	.0774	.0780	.0811	.0835	.0839	.0825	.0792	.0745	.0731	.0734	.2570
216	-28.09	.0712	.0731	.0750	.0761	.0794	.0820	.0823	.0807	.0770	.0721	.0704	.0705	.2496
217	-31.86	.0678	.0699	.0720	.0736	.0772	.0800	.0801	.0783	.0744	.0691	.0671	.0670	.2405
218	-35.40	.0641	.0664	.0689	.0709	.0747	.0776	.0777	.0757	.0715	.0660	.0637	.0633	.2305
219	-38.68	.0608	.0632	.0660	.0683	.0724	.0754	.0754	.0733	.0688	.0631	.0605	.0600	.2212
220	-41.56	.0575	.0601	.0631	.0657	.0700	.0731	.0731	.0708	.0661	.0602	.0574	.0567	.2120
221	-44.00	.0546	.0572	.0604	.0633	.0678	.0708	.0708	.0684	.0635	.0575	.0545	.0538	.2034
222	-45.86	.0523	.0550	.0584	.0615	.0660	.0691	.0691	.0665	.0615	.0555	.0524	.0515	.1969
223	-47.09	.0508	.0536	.0571	.0603	.0649	.0680	.0679	.0653	.0603	.0541	.0509	.0500	.1926
224	-47.60	.0502	.0530	.0565	.0598	.0644	.0675	.0675	.0648	.0597	.0535	.0503	.0494	.1908
225	-47.40	.0505	.0532	.0567	.0600	.0646	.0677	.0677	.0650	.0599	.0538	.0506	.0497	.1915
226	-46.47	.0516	.0543	.0577	.0609	.0655	.0686	.0685	.0659	.0609	.0548	.0517	.0508	.1947
227	-44.89	.0535	.0562	.0595	.0625	.0669	.0700	.0700	.0675	.0626	.0565	.0535	.0527	.2003
228	-42.76	.0561	.0587	.0618	.0646	.0689	.0720	.0720	.0696	.0648	.0589	.0560	.0553	.2078
229	-40.14	.0592	.0617	.0646	.0672	.0714	.0744	.0744	.0722	.0676	.0617	.0590	.0584	.2170
230	-37.16	.0623	.0647	.0673	.0695	.0735	.0764	.0765	.0744	.0700	.0644	.0620	.0615	.2255
231	-33.89	.0657	.0679	.0702	.0721	.0758	.0786	.0787	.0768	.0727	.0673	.0651	.0649	.2347
232	-30.46	.0692	.0713	.0733	.0747	.0782	.0809	.0811	.0794	.0755	.0704	.0685	.0684	.2444
233	-26.88	.0722	.0741	.0758	.0768	.0800	.0825	.0828	.0813	.0778	.0729	.0713	.0715	.2522
234	-23.27	.0752	.0768	.0782	.0787	.0817	.0841	.0844	.0831	.0799	.0754	.0741	.0744	.2596
235	-19.65	.0780	.0795	.0805	.0806	.0833	.0856	.0860	.0849	.0820	.0778	.0767	.0773	.2668
236	-16.11	.0801	.0814	.0820	.0817	.0840	.0862	.0866	.0858	.0833	.0793	.0779	.0794	.2713
237	-12.66	.0821	.0832	.0835	.0828	.0847	.0868	.0873	.0867	.0845	.0809	.0791	.0814	.2757
238	-9.40	.0839	.0848	.0847	.0836	.0853	.0873	.0878	.0874	.0855	.0822	.0803	.0832	.2794
239	-6.33	.0849	.0856	.0852	.0838	.0852	.0870	.0875	.0874	.0857	.0828	.0818	.0843	.2807
240	-3.54	.0859	.0863	.0857	.0839	.0851	.0868	.0873	.0873	.0860	.0834	.0832	.0853	.2819
241	-1.04	.0867	.0870	.0861	.0840	.0850	.0866	.0872	.0873	.0862	.0839	.0845	.0861	.2830
242	1.11	.0872	.0873	.0862	.0839	.0847	.0861	.0867	.0870	.0861	.0840	.0850	.0866	.2829
243	2.88	.0873	.0872	.0860	.0835	.0841	.0855	.0861	.0865	.0858	.0840	.0851	.0867	.2822
244	4.23	.0874	.0872	.0859	.0833	.0837	.0850	.0857	.0862	.0856	.0839	.0852	.0868	.2816
245	5.12	.0875	.0871	.0858	.0831	.0835	.0847	.0854	.0859	.0854	.0838	.0852	.0869	.2812

DAILY AVERAGE INCIDENT ALBEDO VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END
246	5.53	.0875	.0871	.0858	.0830	.0833	.0846	.0852	.0858	.0854	.0838	.0852	.0869	.2810
247	5.53	.0875	.0871	.0858	.0830	.0833	.0846	.0852	.0858	.0854	.0838	.0852	.0869	.2810
248	5.06	.0875	.0871	.0858	.0831	.0835	.0847	.0854	.0859	.0854	.0838	.0852	.0869	.2812
249	4.11	.0874	.0872	.0859	.0833	.0838	.0851	.0857	.0862	.0856	.0839	.0852	.0868	.2816
250	2.71	.0873	.0872	.0861	.0836	.0842	.0856	.0862	.0866	.0858	.0840	.0851	.0867	.2822
251	0.88	.0872	.0873	.0862	.0839	.0847	.0862	.0868	.0871	.0862	.0841	.0850	.0866	.2830
252	-1.32	.0867	.0869	.0861	.0840	.0850	.0866	.0872	.0873	.0862	.0838	.0843	.0860	.2828
253	-3.89	.0858	.0862	.0856	.0839	.0851	.0868	.0874	.0873	.0859	.0833	.0831	.0851	.2817
254	-6.75	.0848	.0855	.0852	.0838	.0852	.0870	.0876	.0874	.0857	.0827	.0816	.0841	.2805
255	-9.91	.0837	.0846	.0846	.0836	.0853	.0873	.0878	.0874	.0854	.0821	.0800	.0830	.2791
256	-13.26	.0818	.0829	.0832	.0826	.0846	.0867	.0872	.0866	.0843	.0806	.0789	.0811	.2750
257	-16.82	.0797	.0810	.0817	.0815	.0839	.0861	.0865	.0856	.0830	.0790	.0777	.0790	.2704
258	-20.48	.0774	.0789	.0801	.0802	.0830	.0853	.0857	.0846	.0816	.0773	.0762	.0767	.2654
259	-24.26	.0744	.0761	.0775	.0782	.0812	.0837	.0840	.0826	.0793	.0747	.0733	.0736	.2576
260	-28.03	.0713	.0732	.0750	.0762	.0794	.0820	.0823	.0807	.0771	.0721	.0704	.0705	.2498
261	-31.77	.0679	.0700	.0721	.0737	.0773	.0800	.0802	.0784	.0744	.0692	.0672	.0671	.2407
262	-35.46	.0641	.0663	.0688	.0708	.0747	.0775	.0776	.0757	.0714	.0659	.0636	.0633	.2303
263	-38.97	.0605	.0629	.0657	.0681	.0722	.0752	.0752	.0731	.0685	.0628	.0602	.0597	.2204
264	-42.26	.0567	.0592	.0623	.0651	.0694	.0724	.0724	.0701	.0653	.0594	.0566	.0559	.2096
265	-45.19	.0531	.0559	.0591	.0622	.0667	.0697	.0697	.0672	.0620	.0562	.0531	.0523	.1992
266	-47.70	.0501	.0528	.0564	.0597	.0643	.0674	.0674	.0647	.0596	.0534	.0502	.0493	.1904
267	-49.63	.0478	.0506	.0543	.0578	.0625	.0657	.0656	.0628	.0576	.0513	.0480	.0470	.1836
268	-50.93	.0462	.0491	.0529	.0565	.0613	.0645	.0644	.0616	.0562	.0499	.0465	.0454	.1791
269	-51.46	.0456	.0484	.0523	.0559	.0608	.0640	.0639	.0610	.0557	.0493	.0458	.0448	.1772
270	-51.21	.0458	.0487	.0526	.0562	.0610	.0642	.0641	.0613	.0559	.0496	.0461	.0450	.1781
271	-50.21	.0471	.0499	.0537	.0572	.0620	.0651	.0651	.0623	.0570	.0507	.0473	.0463	.1816
272	-48.49	.0491	.0519	.0555	.0589	.0636	.0667	.0666	.0640	.0588	.0526	.0493	.0483	.1876
273	-46.18	.0519	.0546	.0581	.0612	.0657	.0688	.0688	.0662	.0612	.0551	.0520	.0511	.1958
274	-43.34	.0554	.0580	.0612	.0640	.0684	.0714	.0714	.0690	.0642	.0582	.0553	.0546	.2058
275	-40.14	.0592	.0617	.0646	.0672	.0714	.0744	.0744	.0722	.0676	.0617	.0590	.0584	.2170
276	-36.63	.0629	.0652	.0678	.0699	.0739	.0768	.0768	.0748	.0705	.0649	.0625	.0621	.2270
277	-33.19	.0664	.0686	.0709	.0726	.0763	.0791	.0792	.0773	.0733	.0680	.0658	.0656	.2367
278	-29.45	.0701	.0721	.0741	.0754	.0788	.0814	.0816	.0800	.0762	.0712	.0693	.0694	.2468
279	-25.51	.0733	.0751	.0767	.0775	.0806	.0831	.0834	.0820	.0786	.0739	.0724	.0726	.2550
280	-21.61	.0765	.0781	.0793	.0796	.0824	.0848	.0852	.0840	.0809	.0765	.0754	.0758	.2631
281	-17.72	.0791	.0805	.0814	.0812	.0837	.0859	.0863	.0854	.0827	.0786	.0774	.0784	.2693
282	-13.93	.0814	.0825	.0830	.0824	.0845	.0866	.0871	.0864	.0840	.0803	.0787	.0807	.2741
283	-10.26	.0835	.0845	.0845	.0835	.0852	.0873	.0878	.0873	.0853	.0820	.0799	.0828	.2788
284	-6.79	.0848	.0855	.0851	.0838	.0852	.0870	.0876	.0874	.0857	.0827	.0816	.0841	.2805
285	-3.53	.0859	.0863	.0857	.0839	.0851	.0868	.0873	.0873	.0860	.0834	.0832	.0853	.2819
286	-0.55	.0869	.0872	.0862	.0841	.0850	.0865	.0871	.0873	.0863	.0840	.0847	.0863	.2832

DAILY AVERAGE INCIDENT ALBEDO VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END
287	2.12	.0872	.0872	.0861	.0837	.0844	.0858	.0864	.0867	.0859	.0840	.0851	.0867	.2825
288	4.42	.0874	.0872	.0859	.0832	.0837	.0850	.0856	.0861	.0855	.0839	.0852	.0869	.2815
289	6.34	.0875	.0871	.0857	.0828	.0831	.0843	.0849	.0856	.0852	.0838	.0853	.0870	.2807
290	7.81	.0876	.0871	.0856	.0825	.0827	.0838	.0844	.0852	.0850	.0837	.0853	.0871	.2800
291	8.82	.0877	.0870	.0855	.0823	.0824	.0834	.0841	.0849	.0848	.0837	.0854	.0872	.2796
292	9.36	.0878	.0870	.0855	.0822	.0822	.0832	.0839	.0848	.0847	.0836	.0854	.0872	.2794
293	9.41	.0878	.0870	.0855	.0822	.0822	.0832	.0839	.0848	.0847	.0836	.0854	.0873	.2794
294	8.96	.0877	.0870	.0855	.0823	.0823	.0834	.0841	.0849	.0848	.0837	.0854	.0872	.2795
295	8.03	.0877	.0871	.0856	.0825	.0826	.0837	.0844	.0851	.0849	.0837	.0853	.0871	.2799
296	6.67	.0876	.0871	.0857	.0828	.0830	.0842	.0848	.0855	.0852	.0838	.0853	.0870	.2805
297	4.87	.0874	.0872	.0859	.0831	.0835	.0848	.0854	.0860	.0855	.0839	.0852	.0869	.2813
298	2.71	.0873	.0872	.0861	.0836	.0842	.0856	.0862	.0866	.0858	.0840	.0851	.0867	.2822
299	0.19	.0871	.0873	.0863	.0841	.0849	.0864	.0870	.0872	.0863	.0841	.0850	.0865	.2833
300	-2.60	.0862	.0866	.0859	.0840	.0851	.0867	.0873	.0873	.0861	.0836	.0837	.0856	.2823
301	-5.65	.0852	.0858	.0853	.0838	.0852	.0870	.0875	.0874	.0858	.0830	.0822	.0845	.2810
302	-8.86	.0841	.0849	.0848	.0837	.0853	.0872	.0877	.0874	.0855	.0823	.0806	.0834	.2796
303	-12.24	.0824	.0834	.0837	.0829	.0848	.0869	.0874	.0868	.0846	.0811	.0792	.0817	.2763
304	-15.68	.0804	.0816	.0822	.0818	.0841	.0863	.0867	.0859	.0834	.0795	.0781	.0797	.2719
305	-19.17	.0783	.0797	.0807	.0808	.0834	.0856	.0861	.0850	.0822	.0780	.0769	.0776	.2675
306	-22.63	.0757	.0773	.0786	.0791	.0820	.0844	.0847	.0835	.0803	.0758	.0746	.0749	.2610
307	-25.74	.0731	.0749	.0766	.0774	.0805	.0830	.0833	.0819	.0785	.0737	.0722	.0724	.2545
308	-28.85	.0706	.0726	.0745	.0757	.0790	.0817	.0819	.0803	.0766	.0716	.0698	.0698	.2481
309	-31.88	.0678	.0699	.0720	.0736	.0772	.0799	.0801	.0783	.0744	.0691	.0671	.0670	.2404
310	-34.57	.0650	.0672	.0696	.0715	.0753	.0781	.0782	.0763	.0722	.0667	.0645	.0642	.2328
311	-36.88	.0626	.0650	.0676	.0697	.0737	.0766	.0767	.0746	.0703	.0647	.0622	.0618	.2263
312	-38.73	.0607	.0631	.0659	.0683	.0724	.0754	.0754	.0732	.0687	.0630	.0604	.0599	.2211
313	-40.03	.0594	.0619	.0648	.0673	.0715	.0745	.0745	.0723	.0677	.0619	.0592	.0586	.2174
314	-40.71	.0585	.0611	.0640	.0666	.0708	.0738	.0738	.0716	.0670	.0611	.0584	.0577	.2150
315	-40.75	.0585	.0610	.0640	.0666	.0708	.0738	.0738	.0716	.0669	.0611	.0583	.0577	.2149
316	-40.14	.0592	.0617	.0646	.0672	.0714	.0744	.0744	.0722	.0676	.0617	.0590	.0584	.2170
317	-38.88	.0606	.0630	.0658	.0682	.0723	.0753	.0753	.0731	.0686	.0629	.0603	.0598	.2207
318	-37.04	.0625	.0648	.0674	.0696	.0736	.0765	.0765	.0745	.0701	.0645	.0621	.0617	.2259
319	-34.66	.0649	.0671	.0696	.0715	.0752	.0781	.0782	.0763	.0721	.0667	.0644	.0641	.2326
320	-31.85	.0678	.0699	.0721	.0737	.0772	.0800	.0801	.0783	.0744	.0692	.0671	.0670	.2405
321	-28.64	.0708	.0727	.0746	.0758	.0791	.0818	.0820	.0804	.0767	.0717	.0699	.0700	.2485
322	-25.16	.0736	.0754	.0769	.0777	.0808	.0833	.0836	.0822	.0788	.0741	.0726	.0729	.2557
323	-21.43	.0766	.0782	.0794	.0797	.0825	.0849	.0853	.0841	.0810	.0766	.0755	.0759	.2634
324	-17.56	.0792	.0806	.0814	.0813	.0837	.0859	.0864	.0854	.0828	.0787	.0774	.0785	.2695
325	-13.56	.0816	.0827	.0831	.0825	.0846	.0867	.0871	.0865	.0842	.0805	.0788	.0809	.2746
326	-9.54	.0839	.0847	.0847	.0836	.0853	.0873	.0878	.0874	.0854	.0822	.0802	.0832	.2793
327	-5.48	.0852	.0858	.0854	.0838	.0852	.0869	.0875	.0874	.0858	.0830	.0823	.0846	.2810

DAILY AVERAGE INCIDENT ALBEDO VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END
328	-1.49	.0866	.0869	.0860	.0840	.0850	.0866	.0872	.0873	.0862	.0838	.0843	.0860	.2828
329	2.42	.0873	.0872	.0861	.0836	.0843	.0857	.0863	.0866	.0859	.0840	.0851	.0867	.2824
330	6.16	.0875	.0871	.0857	.0829	.0832	.0843	.0850	.0856	.0853	.0838	.0852	.0870	.2807
331	9.75	.0878	.0870	.0854	.0822	.0821	.0831	.0838	.0847	.0846	.0836	.0854	.0873	.2792
332	13.06	.0872	.0863	.0843	.0807	.0803	.0812	.0819	.0830	.0833	.0827	.0847	.0867	.2752
333	16.09	.0866	.0857	.0832	.0794	.0787	.0794	.0801	.0814	.0820	.0818	.0841	.0862	.2714
334	18.75	.0861	.0851	.0823	.0782	.0773	.0778	.0785	.0800	.0809	.0810	.0835	.0857	.2680
335	21.03	.0854	.0843	.0812	.0769	.0758	.0763	.0770	.0785	.0797	.0800	.0827	.0851	.2643
336	22.71	.0847	.0834	.0802	.0758	.0745	.0749	.0756	.0772	.0786	.0791	.0819	.0843	.2608
337	24.07	.0841	.0827	.0794	.0748	.0735	.0738	.0745	.0762	.0777	.0784	.0813	.0838	.2580
338	24.87	.0837	.0823	.0789	.0743	.0728	.0731	.0739	.0756	.0771	.0779	.0809	.0834	.2563
339	25.13	.0836	.0822	.0788	.0741	.0726	.0729	.0736	.0754	.0770	.0778	.0808	.0833	.2558
340	24.84	.0837	.0823	.0789	.0743	.0729	.0731	.0739	.0756	.0772	.0779	.0809	.0834	.2564
341	24.01	.0841	.0828	.0794	.0749	.0735	.0738	.0746	.0763	.0777	.0784	.0813	.0838	.2581
342	22.68	.0847	.0834	.0802	.0758	.0745	.0749	.0756	.0773	.0786	.0791	.0819	.0843	.2609
343	20.89	.0855	.0843	.0813	.0770	.0759	.0764	.0771	.0786	.0798	.0801	.0828	.0851	.2645
344	18.70	.0861	.0851	.0823	.0782	.0773	.0779	.0786	.0800	.0809	.0810	.0835	.0857	.2681
345	16.16	.0866	.0856	.0832	.0793	.0787	.0794	.0801	.0813	.0820	.0818	.0840	.0862	.2713
346	13.33	.0872	.0863	.0842	.0806	.0802	.0810	.0817	.0828	.0832	.0826	.0847	.0867	.2749
347	10.29	.0877	.0869	.0853	.0820	.0818	.0828	.0835	.0844	.0845	.0835	.0853	.0872	.2787
348	7.07	.0876	.0871	.0857	.0827	.0829	.0840	.0847	.0854	.0851	.0837	.0853	.0871	.2804
349	3.77	.0874	.0872	.0860	.0833	.0839	.0852	.0858	.0863	.0857	.0839	.0852	.0868	.2818
350	0.41	.0871	.0873	.0863	.0840	.0849	.0864	.0870	.0872	.0862	.0841	.0850	.0865	.2832
351	-2.92	.0861	.0865	.0858	.0840	.0851	.0867	.0873	.0873	.0860	.0835	.0835	.0855	.2821
352	-6.21	.0850	.0856	.0852	.0838	.0852	.0870	.0875	.0874	.0857	.0829	.0819	.0843	.2807
353	-9.34	.0839	.0848	.0847	.0836	.0853	.0872	.0878	.0874	.0855	.0822	.0803	.0832	.2794
354	-12.31	.0823	.0834	.0836	.0829	.0848	.0869	.0874	.0868	.0846	.0811	.0792	.0816	.2762
355	-15.02	.0807	.0819	.0825	.0820	.0842	.0864	.0868	.0861	.0836	.0798	.0783	.0800	.2727
356	-17.43	.0793	.0807	.0815	.0813	.0837	.0860	.0864	.0855	.0828	.0788	.0775	.0786	.2697
357	-19.47	.0781	.0796	.0806	.0807	.0833	.0856	.0860	.0849	.0821	.0778	.0768	.0774	.2671
358	-21.11	.0769	.0785	.0797	.0799	.0827	.0850	.0854	.0842	.0812	.0768	.0757	0762	.2641
359	-22.27	.0760	.0776	.0789	.0793	.0821	.0845	.0849	.0836	.0805	.0761	.0749	.0752	.2617
360	-22.93	.0754	.0771	.0784	.0789	.0818	.0842	.0846	.0833	.0801	.0756	.0743	.0747	.2603
361	-23.06	.0753	.0770	.0784	.0788	.0818	.0842	.0845	.0832	.0801	.0755	.0742	.0746	.2601
362	-22.64	.0757	.0773	.0786	.0791	.0820	.0844	.0847	.0835	.0803	.0758	.0746	.0749	.2609
363	-21.69	.0764	.0780	.0793	.0796	.0824	.0848	.0851	.0839	.0809	.0764	.0753	.0757	.2629
364	-20.25	.0776	.0791	.0802	.0804	.0831	.0854	.0858	.0847	.0818	.0774	.0764	.0769	.2659
365	-18.29	.0788	.0802	.0811	.0810	.0836	.0858	.0862	.0852	.0825	.0784	.0772	.0781	.2686
366	-15.97	.0802	.0814	.0821	.0817	.0840	.0862	.0867	.0858	.0833	.0794	.0780	.0795	.2715
367	-13.40	.0817	.0828	.0832	.0825	.0846	.0867	.0872	.0865	.0842	.0806	.0788	.0810	.2748
368	-10.32	.0835	.0844	.0845	.0835	.0852	.0872	.0877	.0873	.0853	.0820	.0799	.0828	.2787

DAILY AVERAGE INCIDENT ALBEDO VIEW FACTORS FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END
369	-6.98	.0847	.0854	.0851	.0838	.0852	.0871	.0876	.0874	.0857	.0827	.0815	.0841	.2804
370	-3.38	.0860	.0864	.0857	.0839	.0851	.0868	.0873	.0873	.0860	.0834	.0833	.0853	.2819
371	0.36	.0871	.0873	.0863	.0840	.0849	.0864	.0870	.0872	.0862	.0841	.0850	.0865	.2832
372	4.27	.0874	.0872	.0859	.0832	.0837	.0850	.0856	.0861	.0856	.0839	.0852	.0868	.2816
373	8.24	.0877	.0871	.0856	.0825	.0825	.0836	.0843	.0851	.0849	.0837	.0853	.0872	.2799
374	12.28	.0874	.0865	.0846	.0811	.0808	.0817	.0824	.0834	.0836	.0829	.0849	.0869	.2762
375	16.27	.0866	.0856	.0831	.0793	.0786	.0793	.0800	.0813	.0820	.0817	.0840	.0862	.2711
376	20.23	.0858	.0847	.0817	.0774	.0764	.0769	.0776	.0791	.0802	.0805	.0831	.0854	.2659
377	24.05	.0841	.0827	.0794	.0748	.0735	.0738	.0745	.0762	.0777	.0784	.0813	.0838	.2580
378	27.72	.0824	.0809	.0772	.0724	.0707	.0708	.0715	.0734	.0752	.0764	.0796	.0822	.2504
379	31.12	.0806	.0789	.0750	.0698	.0678	.0677	.0685	.0706	.0727	.0742	.0777	.0805	.2425
380	34.24	.0785	.0765	.0724	.0670	.0648	.0645	.0653	.0675	.0700	.0718	.0755	.0784	.2337
381	36.94	.0766	.0745	.0701	.0646	.0622	.0618	.0626	.0649	.0676	.0698	.0736	.0766	.2261
382	39.18	.0751	.0728	.0683	.0625	.0600	.0594	.0602	.0627	.0656	.0680	.0721	.0750	.2198
383	40.87	.0737	.0714	.0667	.0609	.0582	.0575	.0583	.0609	.0639	.0665	.0707	.0737	.2144
384	41.95	.0727	.0703	.0656	.0597	.0569	.0562	.0570	.0596	.0628	.0654	.0697	.0727	.2106
385	42.38	.0723	.0699	.0651	.0592	.0564	.0557	.0565	.0591	.0623	.0650	.0693	.0723	.2091
386	42.14	.0725	.0701	.0654	.0595	.0567	.0560	.0568	.0594	.0625	.0653	.0695	.0725	.2100
387	41.26	.0733	.0710	.0663	.0604	.0577	.0571	.0579	.0604	.0635	.0661	.0703	.0733	.2131
388	39.76	.0747	.0724	.0678	.0620	.0594	.0588	.0596	.0621	.0651	.0676	.0717	.0747	.2182
389	37.75	.0760	.0739	.0695	.0638	.0614	.0609	.0617	.0641	.0669	.0691	.0731	.0760	.2238
390	35.28	.3514	.2818	.2174	.1159	.0120	.0000	.0000	.0424	.1542	.2458	.3002	.3693	.0280

LONG DURATION EXPOSURE FACILITY
SOLAR ILLUMINATION DATA PACKAGE

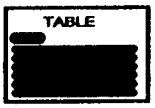
SOLAR ILLUMINATION FORM FACTORS
> SOLAR & ALBEDO

FORM FACTORS @ 10° YAW (ALL ROWS/ENDS)

ONE ORBIT DETAILED

- 10° BETA ANGLE INTERVALS

(-52°,-40°,-30°,-20°,-10°,0°,10°,20°,30°,40°,52°)



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LONG DURATION EXPOSURE FACILITY
SOLAR ILLUMINATION DATA PACKAGE

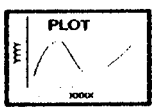
ORBITAL SOLAR ILLUMINATION FACTORS
> SOLAR

FORM FACTORS @ 10° YAW (ALL ROWS/ENDS)

ONE ORBIT DETAILED

- 10° BETA ANGLE INTERVALS

(-52°,-40°,-30°,-20°,-10°,0°,10°,20°,30°,40°,52°)



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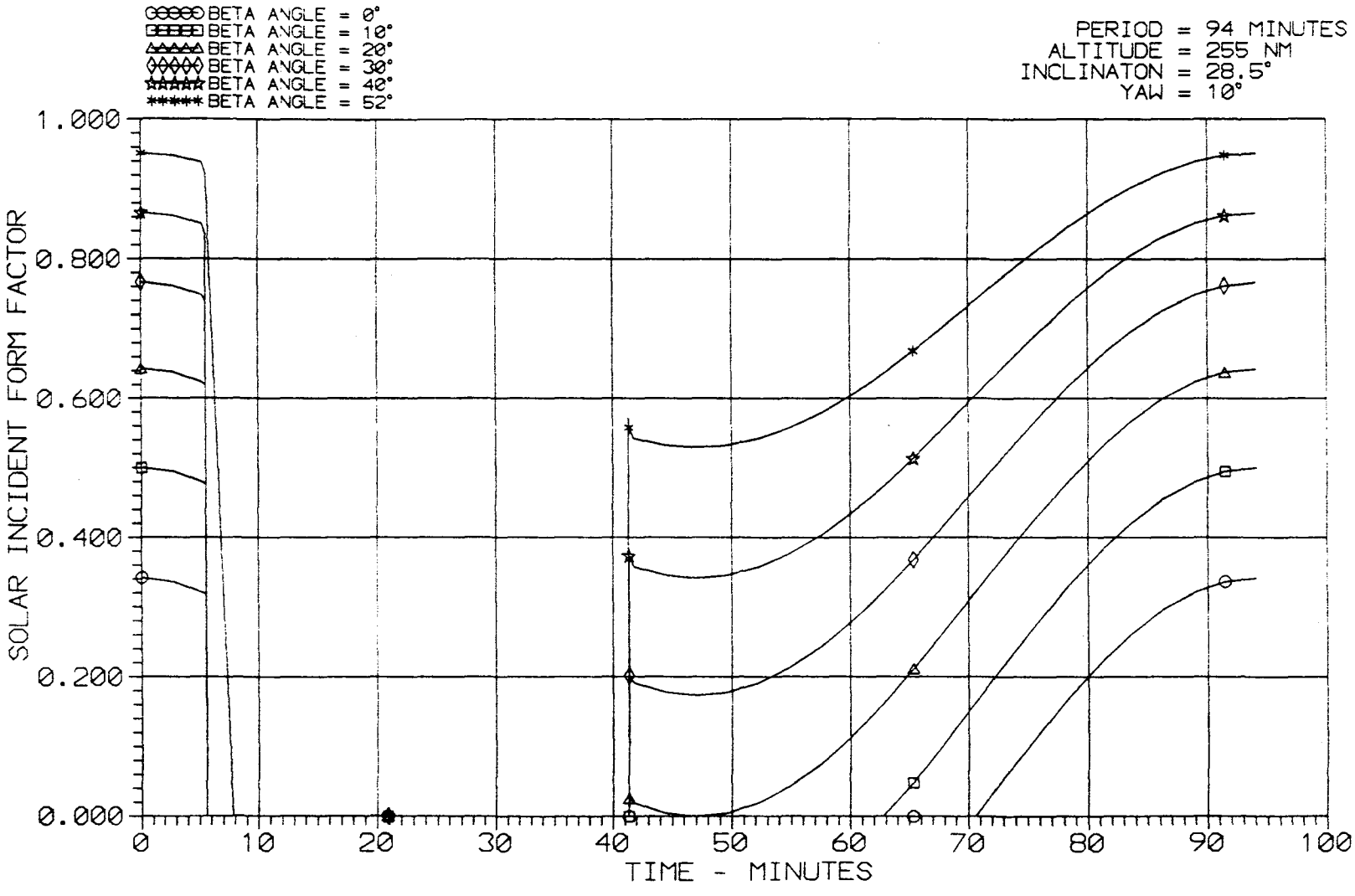
LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR POSITIVE BETA ANGLES

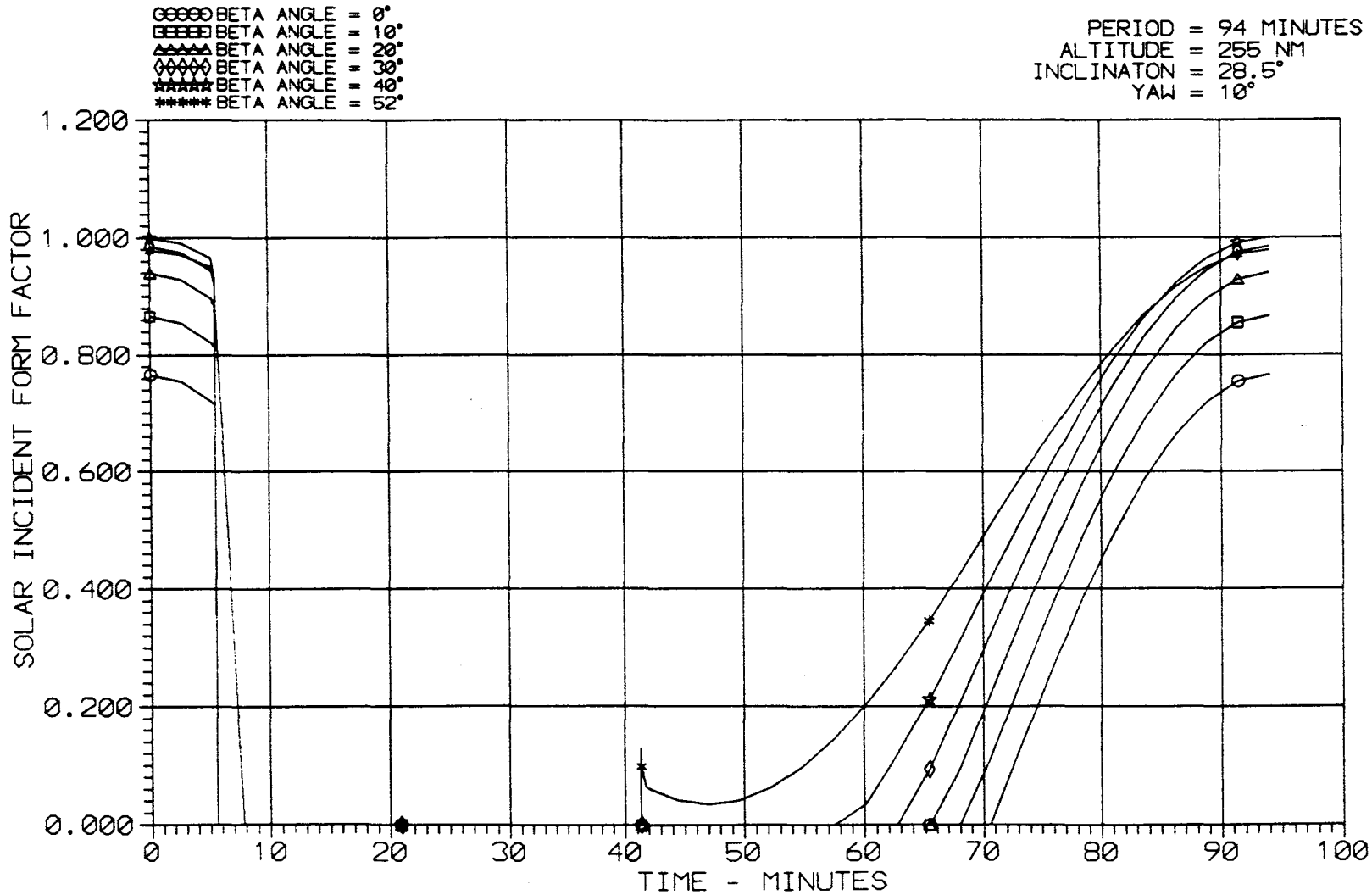
ROW: 1



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR POSITIVE BETA ANGLES

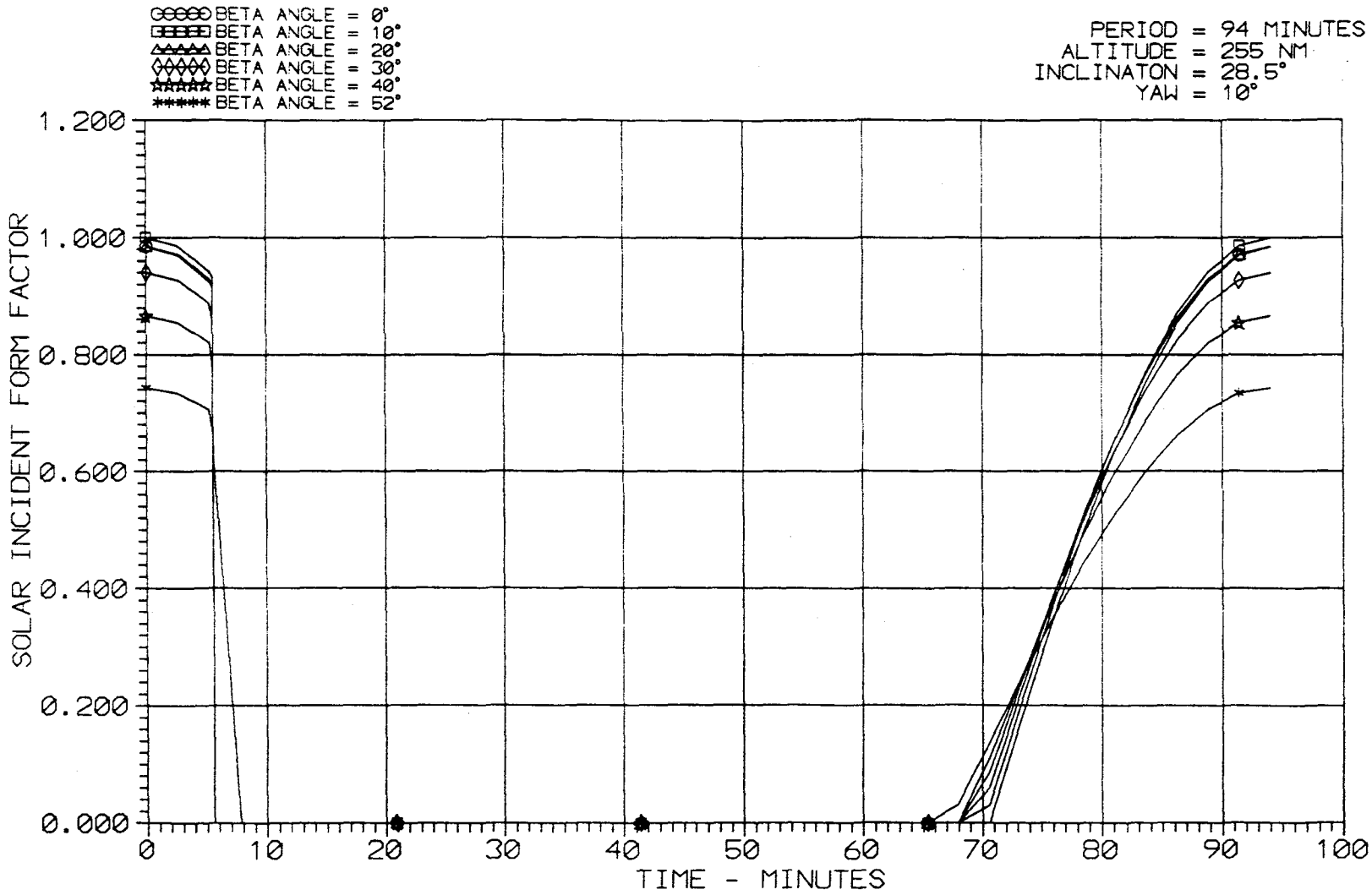
ROW: 2



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR POSITIVE BETA ANGLES

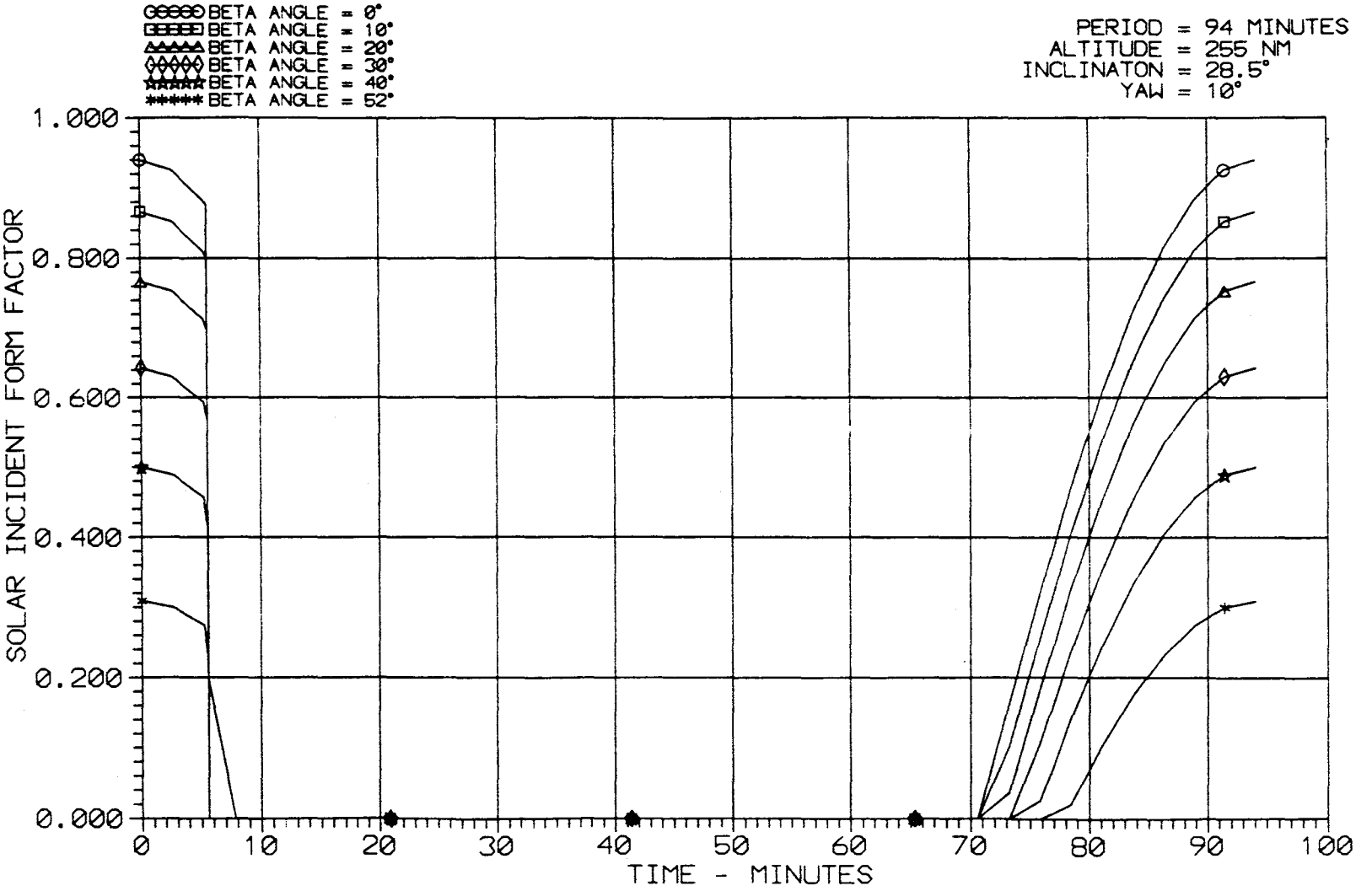
ROW: 3



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR POSITIVE BETA ANGLES

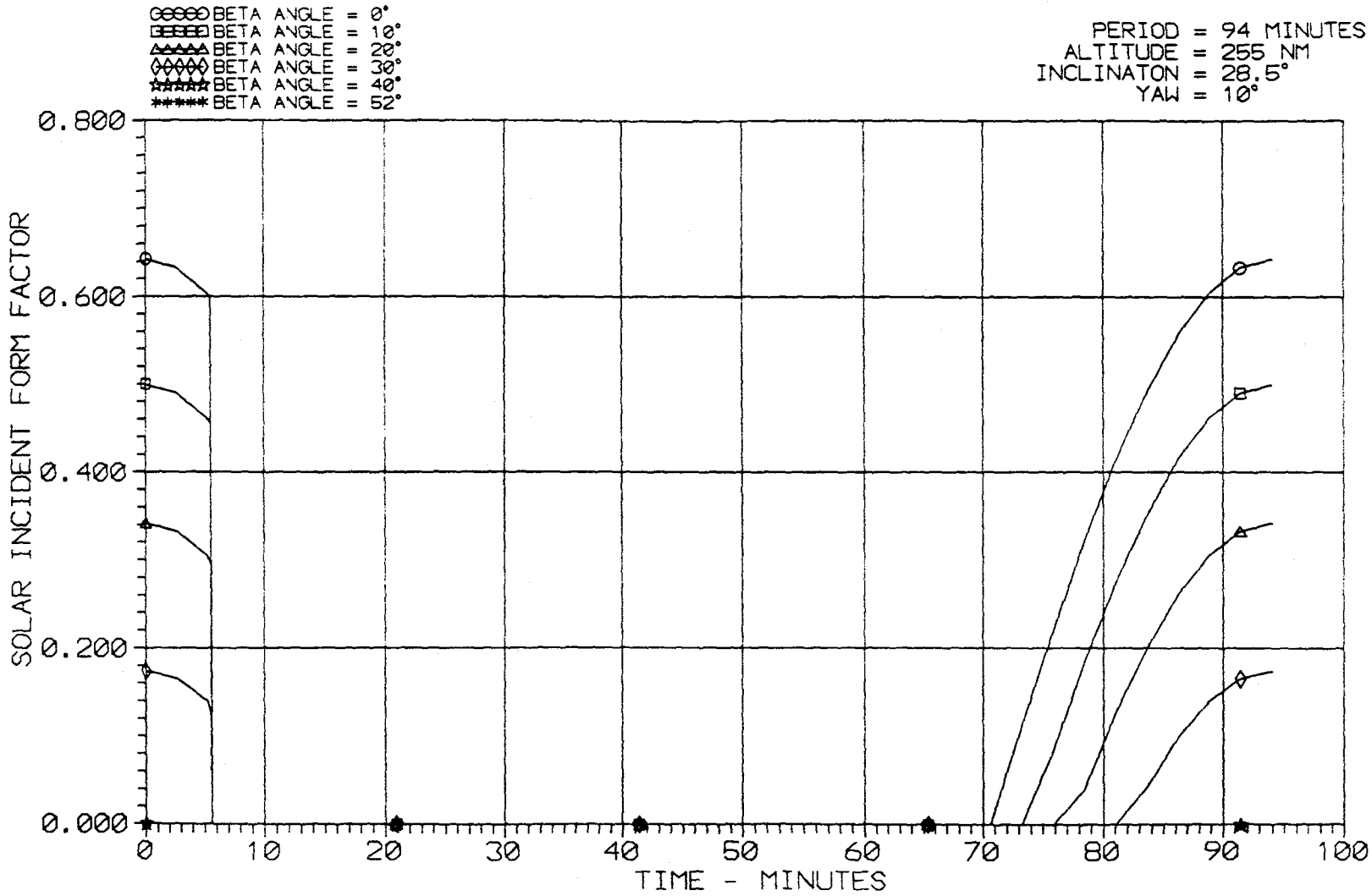
ROW: 4



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR POSITIVE BETA ANGLES

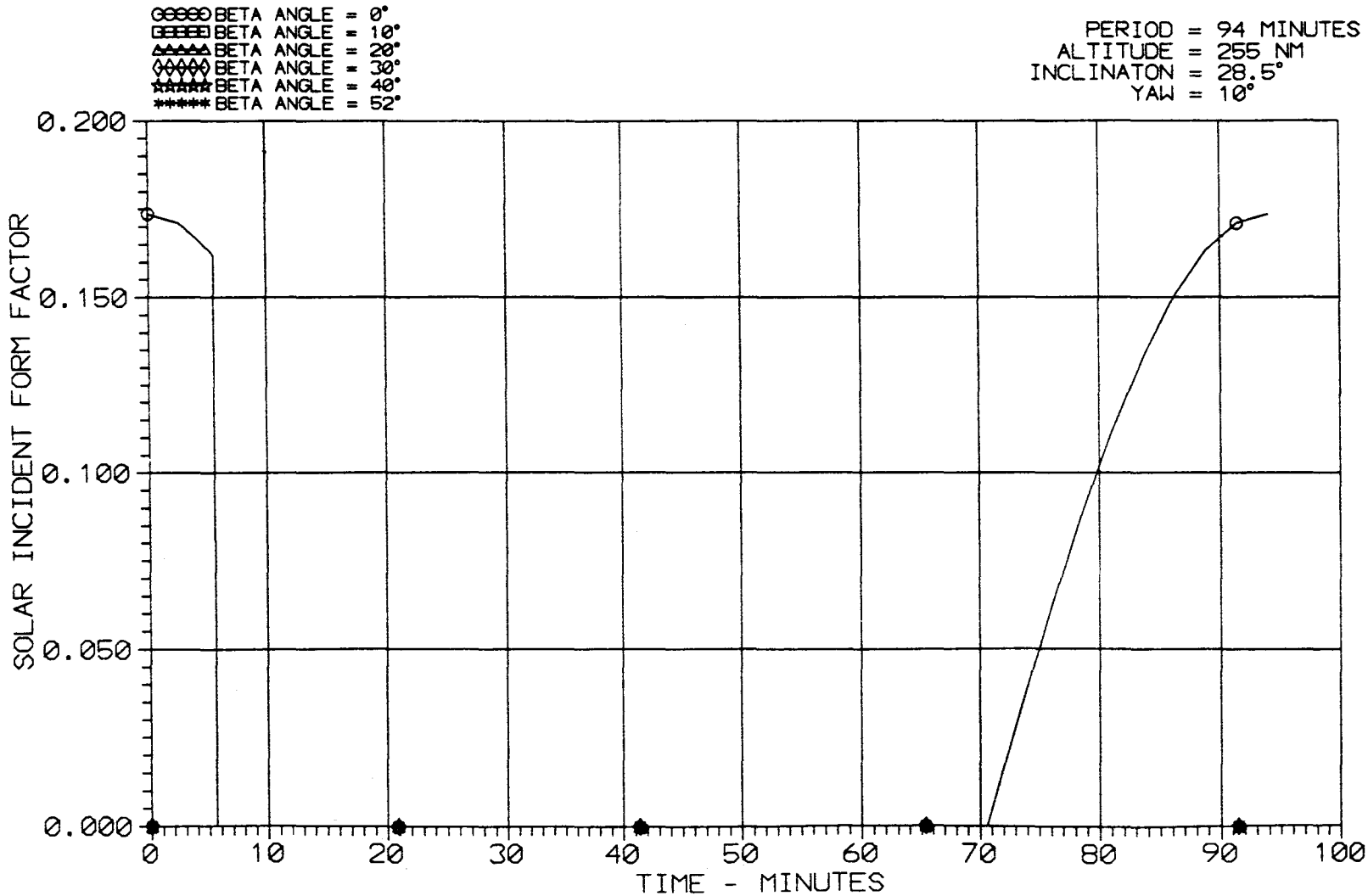
ROW: 5



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR POSITIVE BETA ANGLES

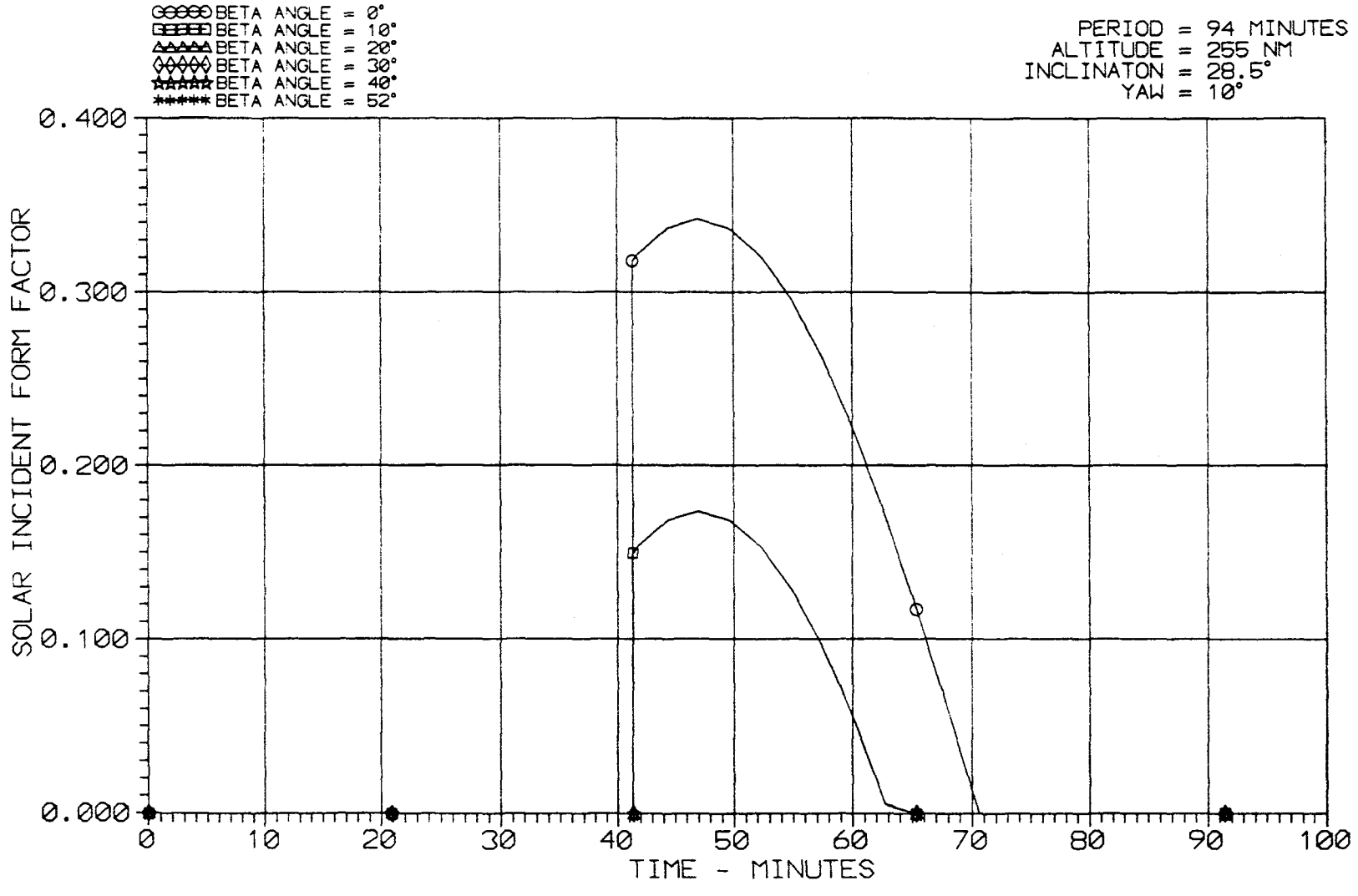
ROW: 6



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR POSITIVE BETA ANGLES

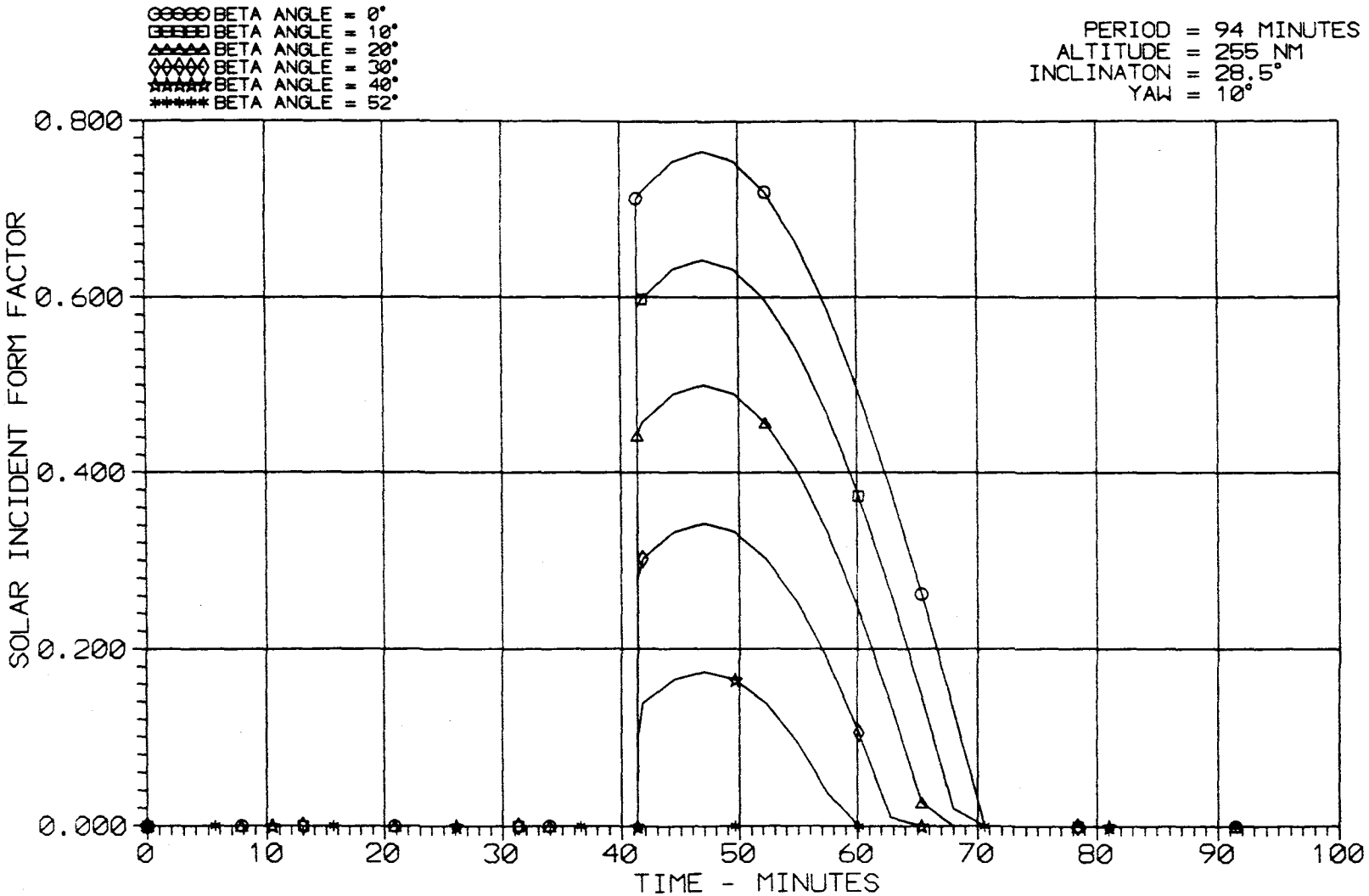
ROW: 7



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR POSITIVE BETA ANGLES

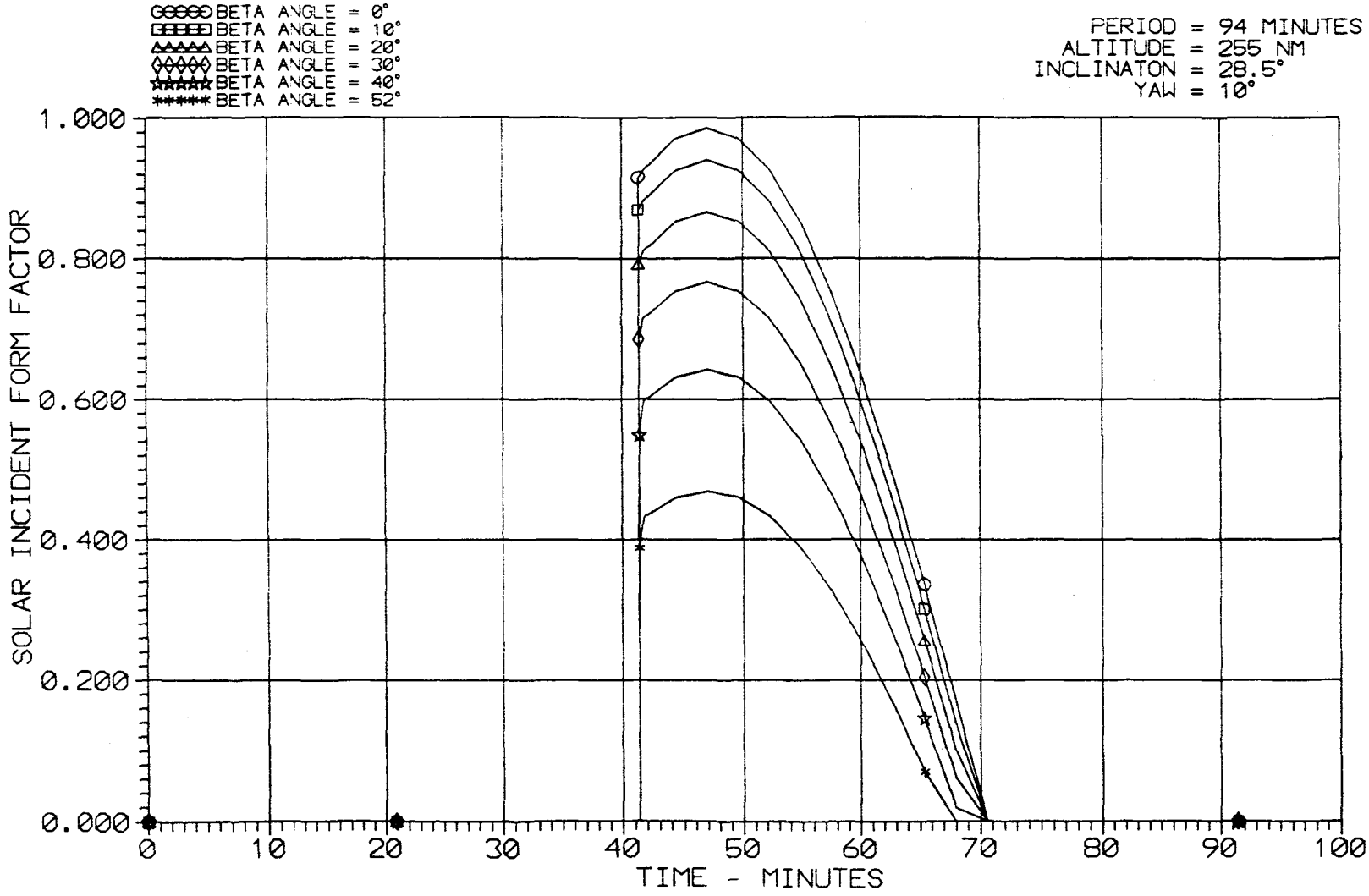
ROW: 8



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR POSITIVE BETA ANGLES

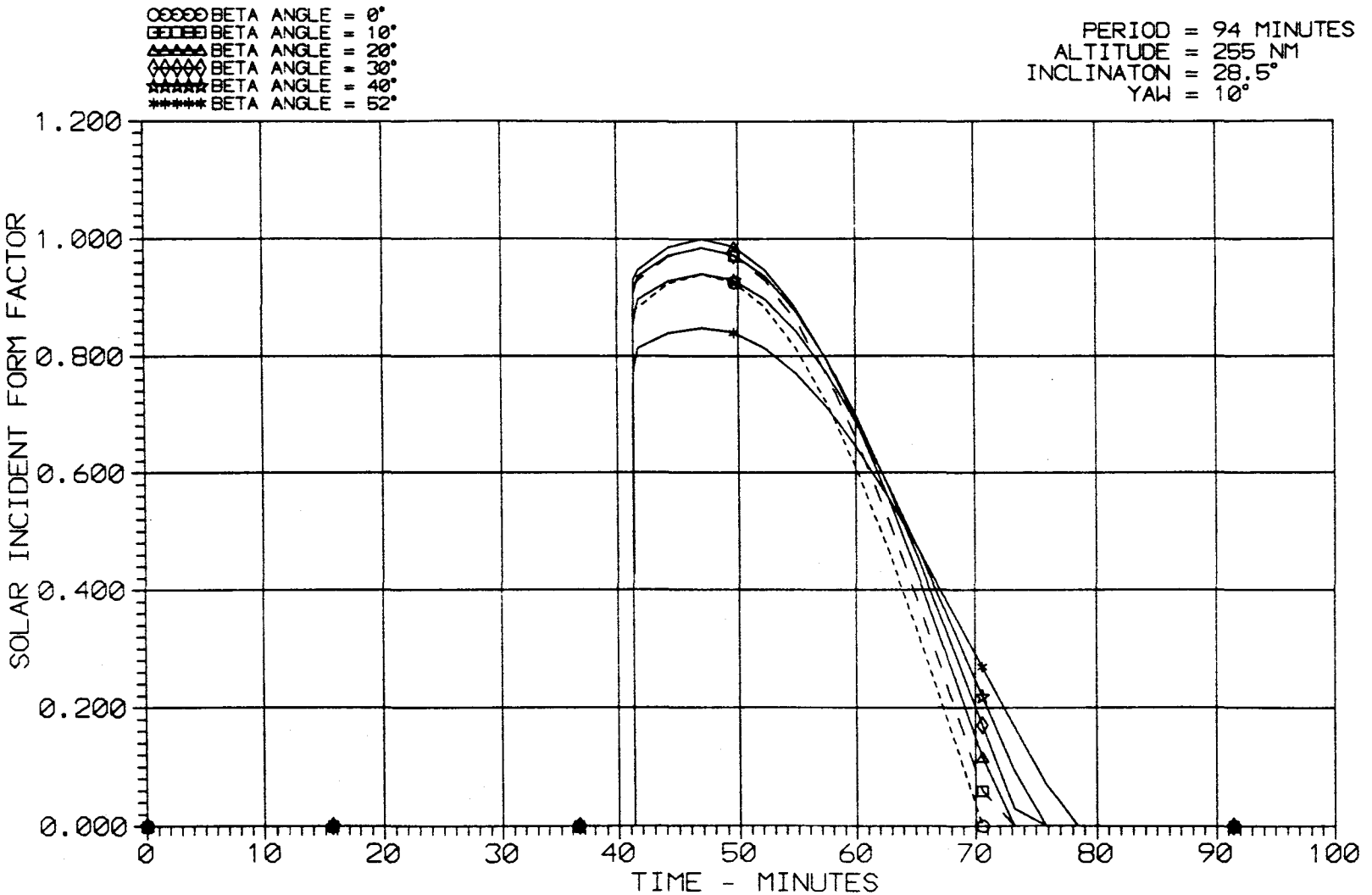
ROW: 9



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR POSITIVE BETA ANGLES

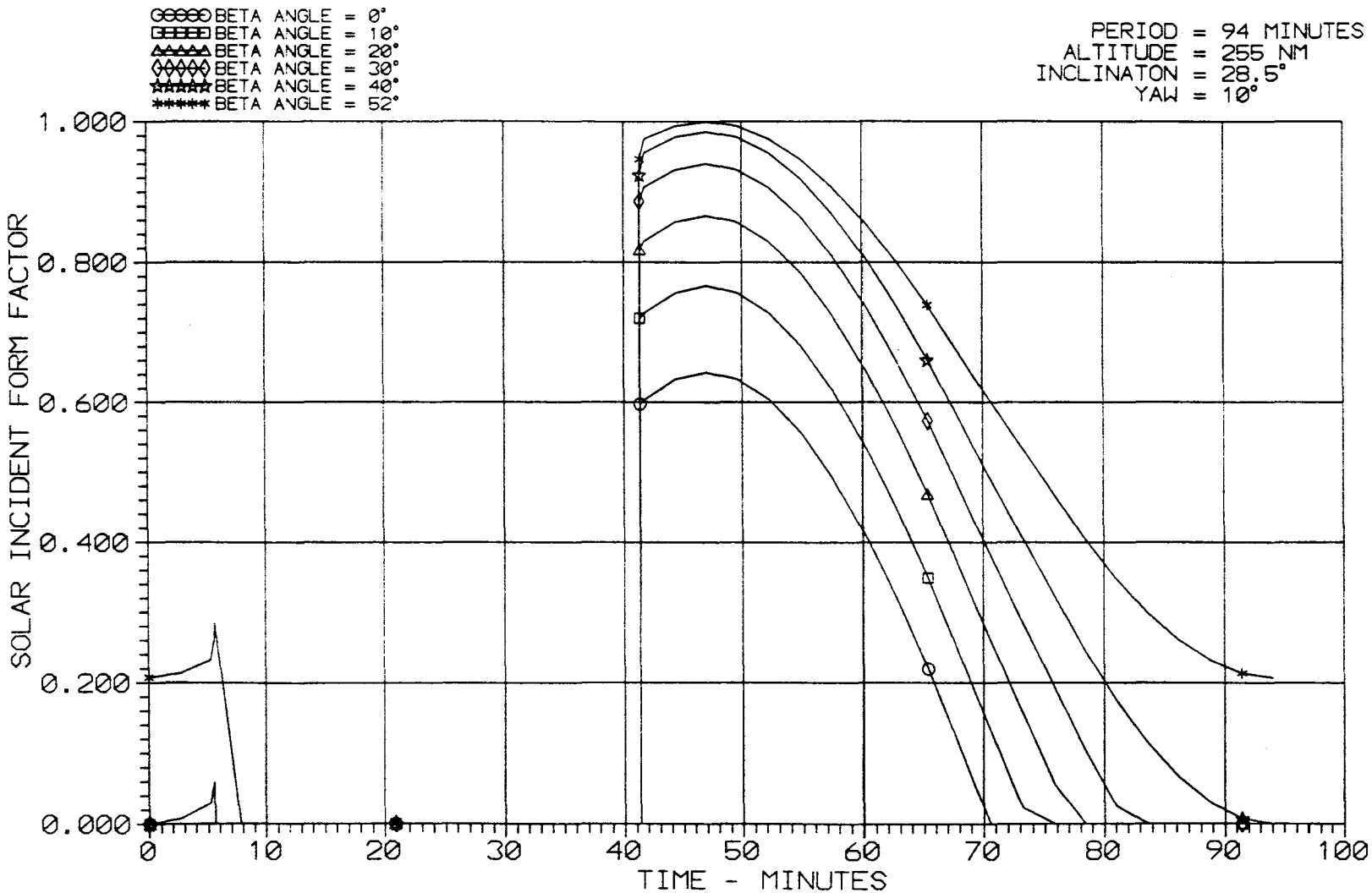
ROW: 10



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR POSITIVE BETA ANGLES

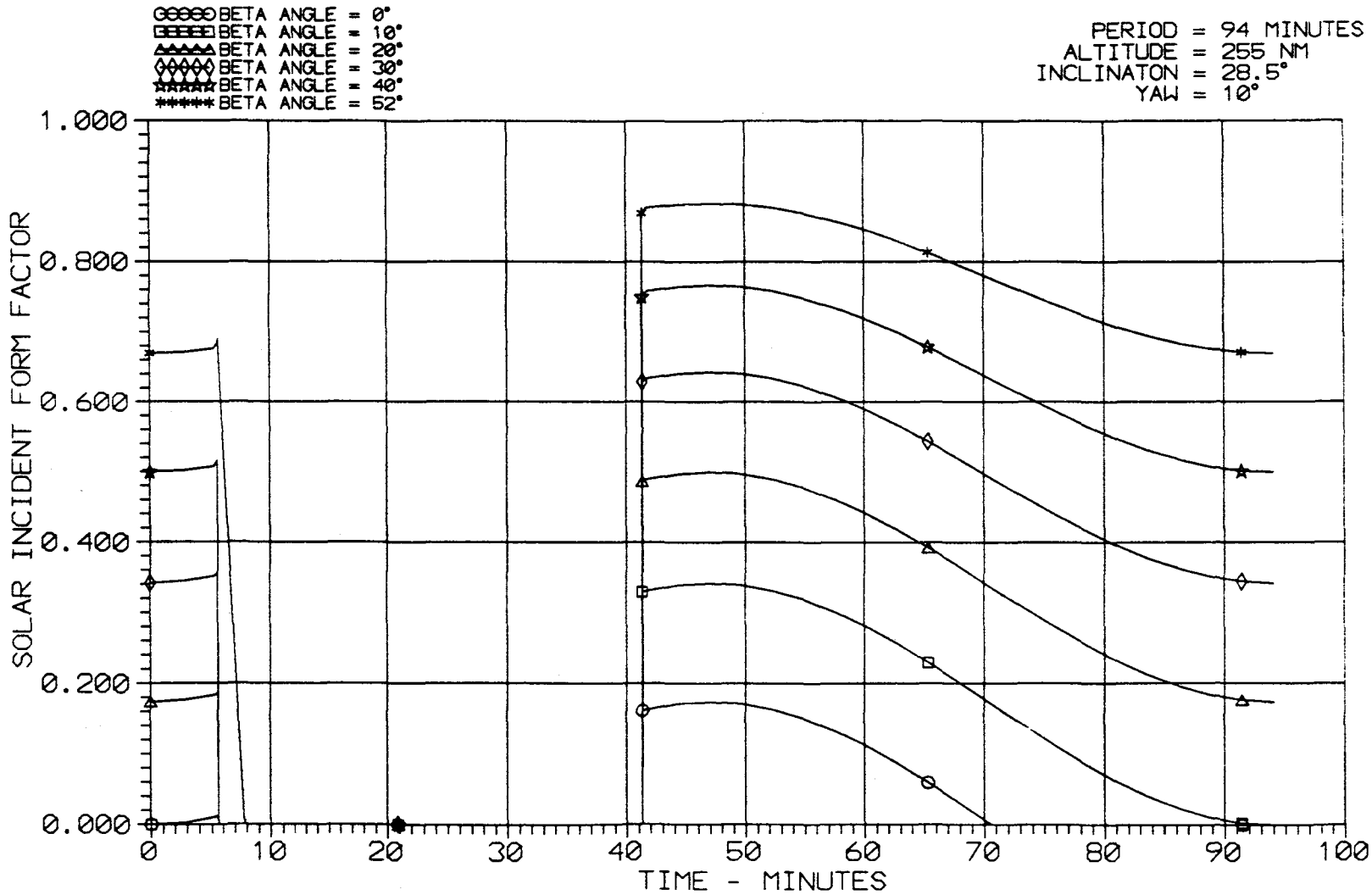
ROW: 11



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR POSITIVE BETA ANGLES

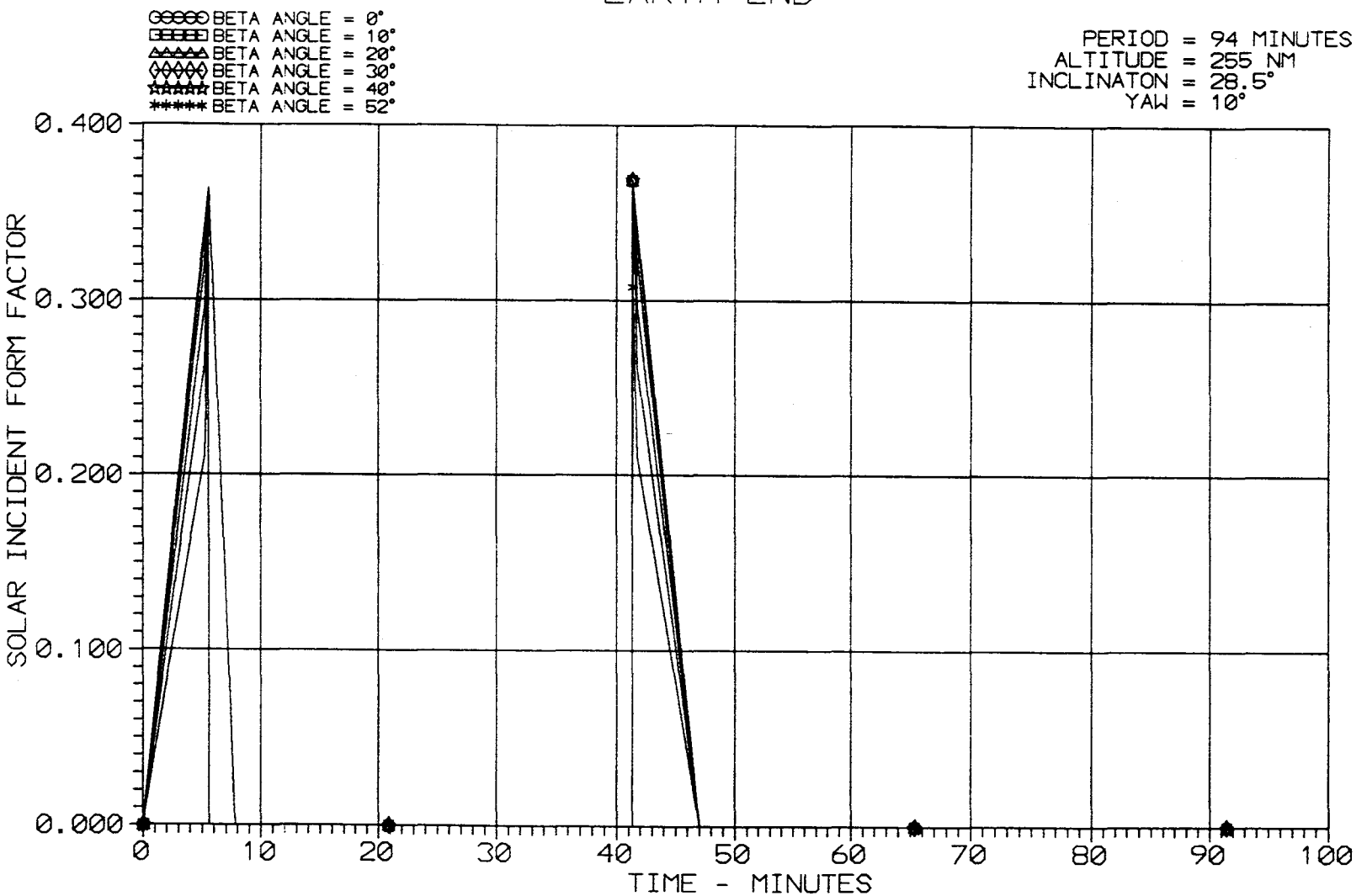
ROW: 12



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR POSITIVE BETA ANGLES

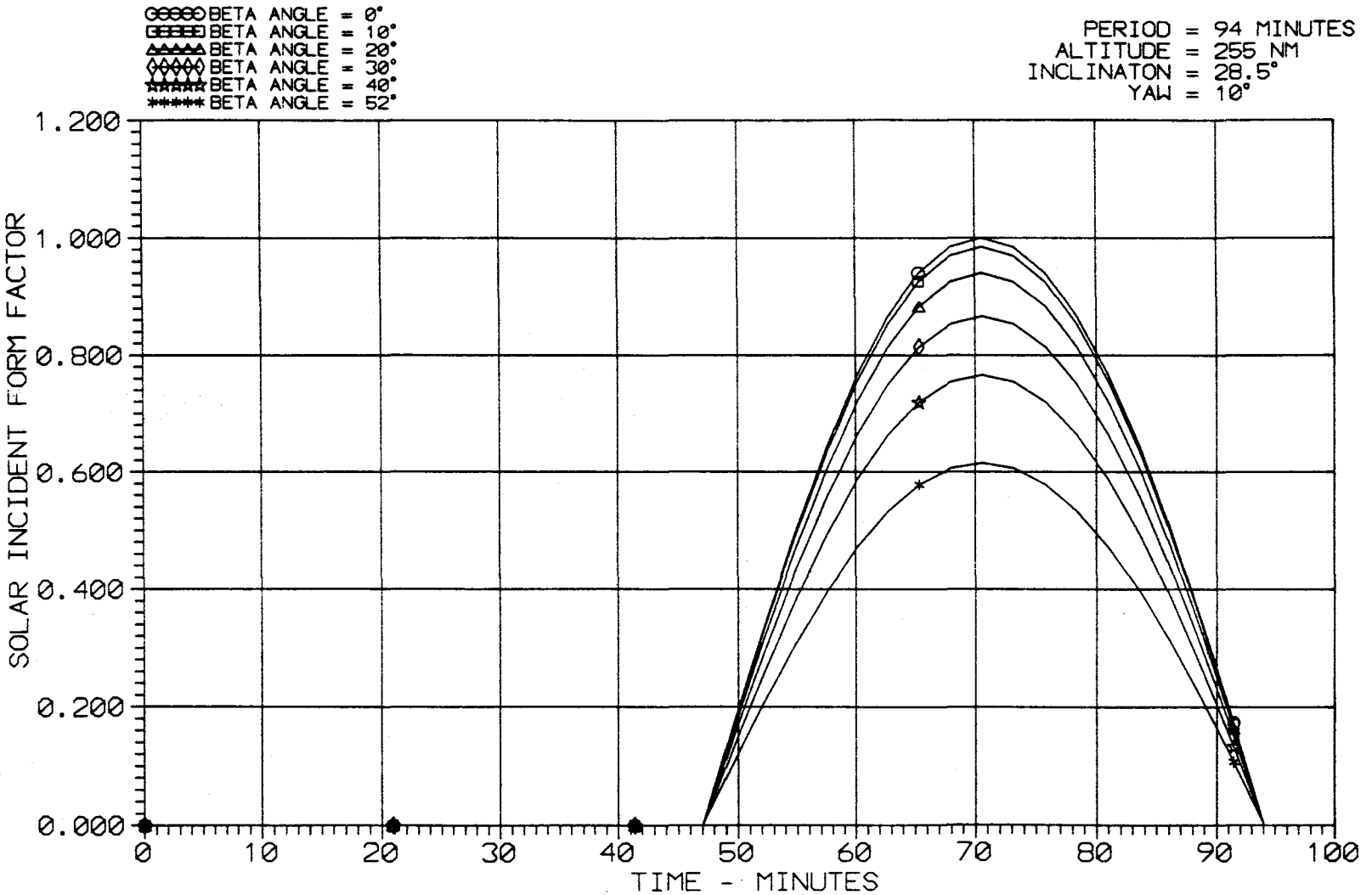
EARTH END



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR POSITIVE BETA ANGLES

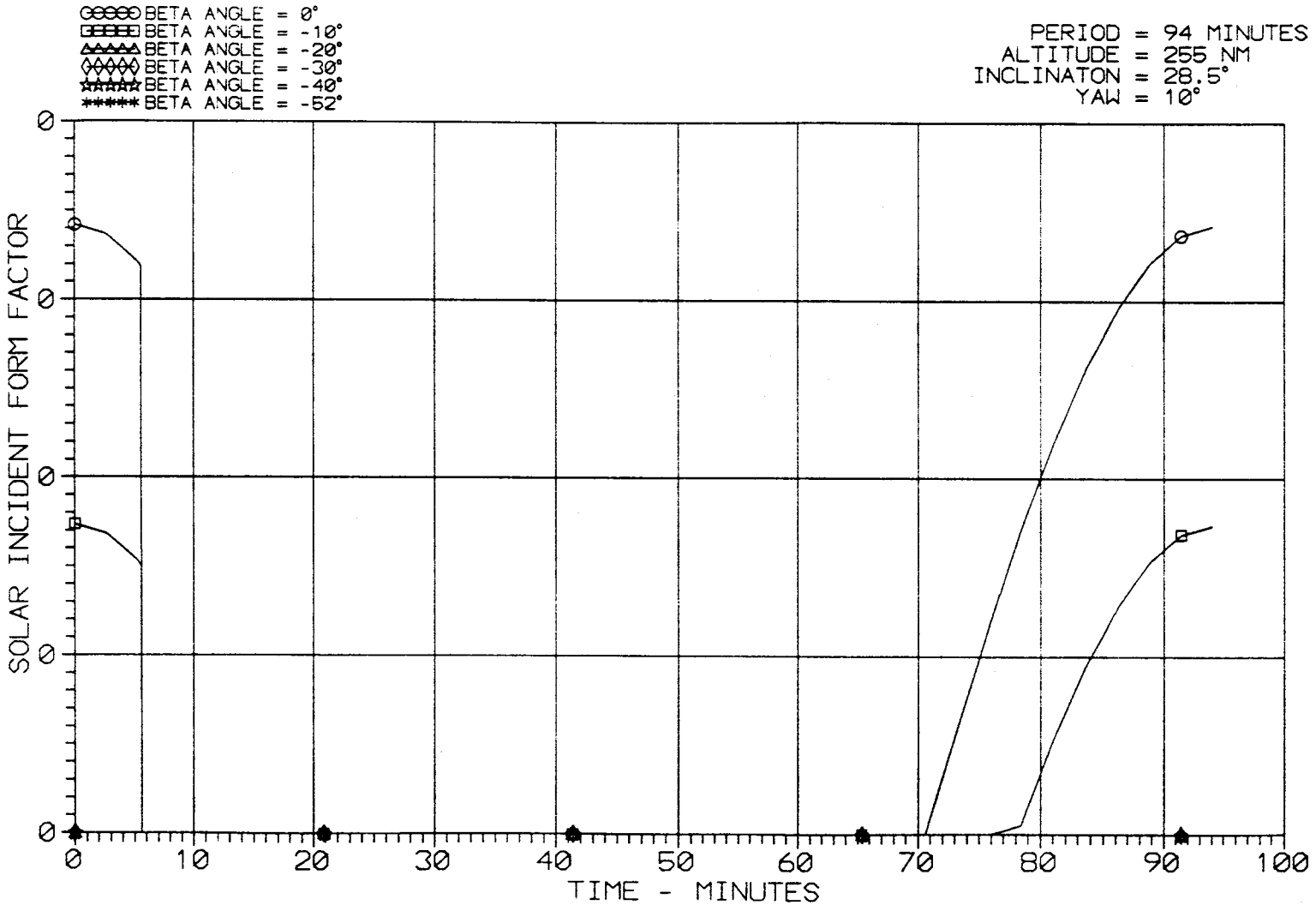
SPACE END



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR NEGATIVE BETA ANGLES

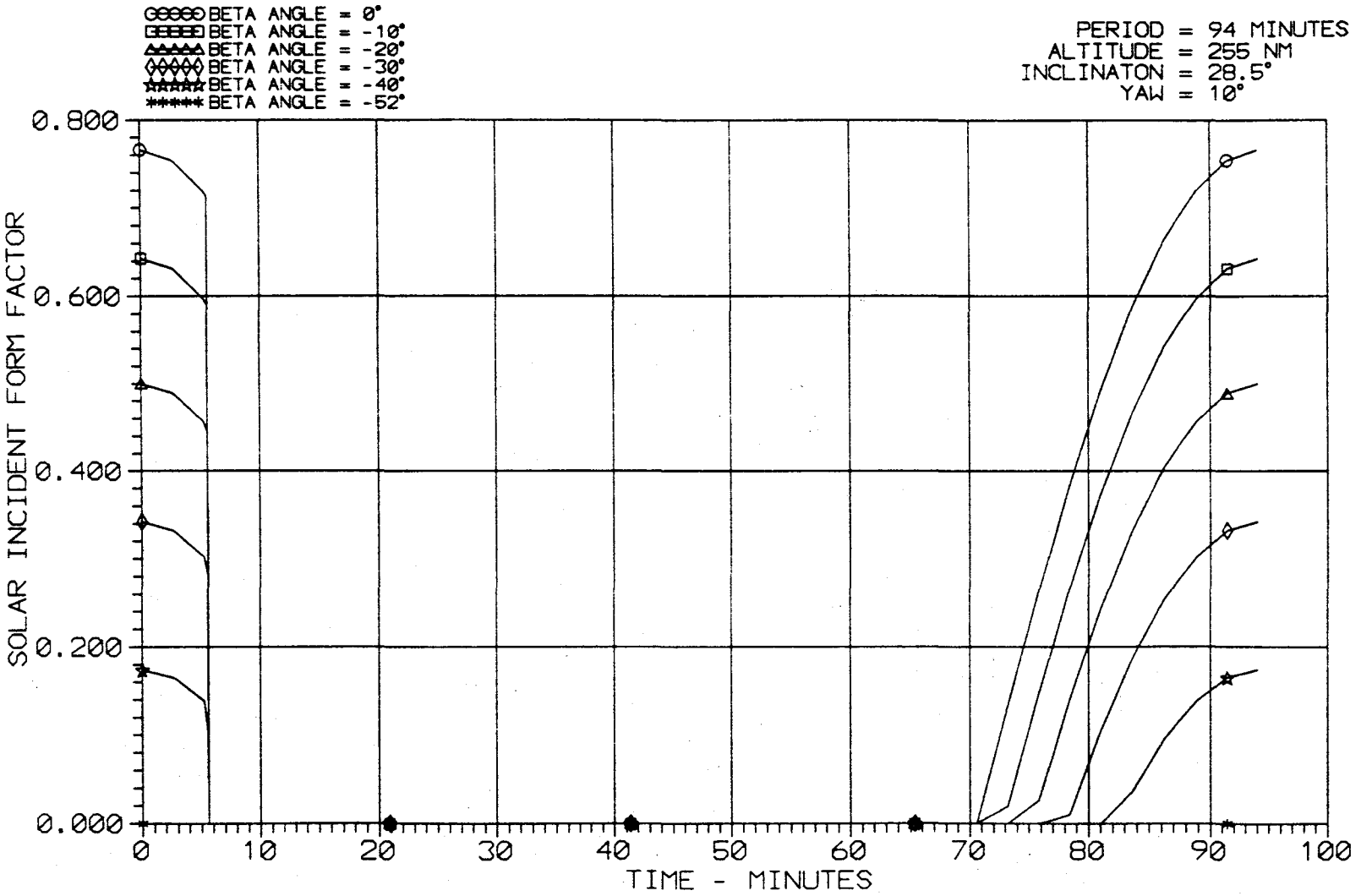
ROW: 1



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR NEGATIVE BETA ANGLES

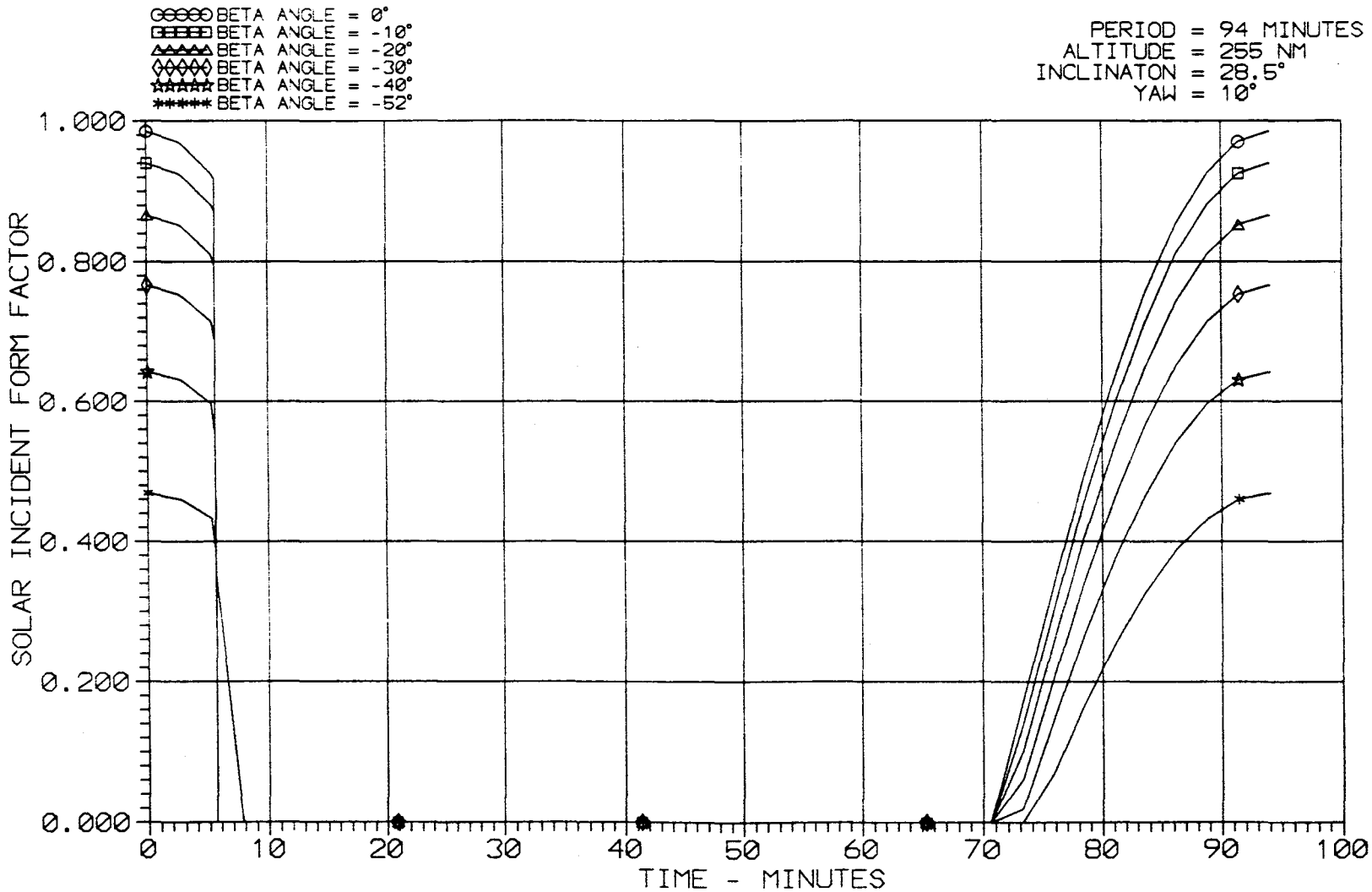
ROW: 2



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR NEGATIVE BETA ANGLES

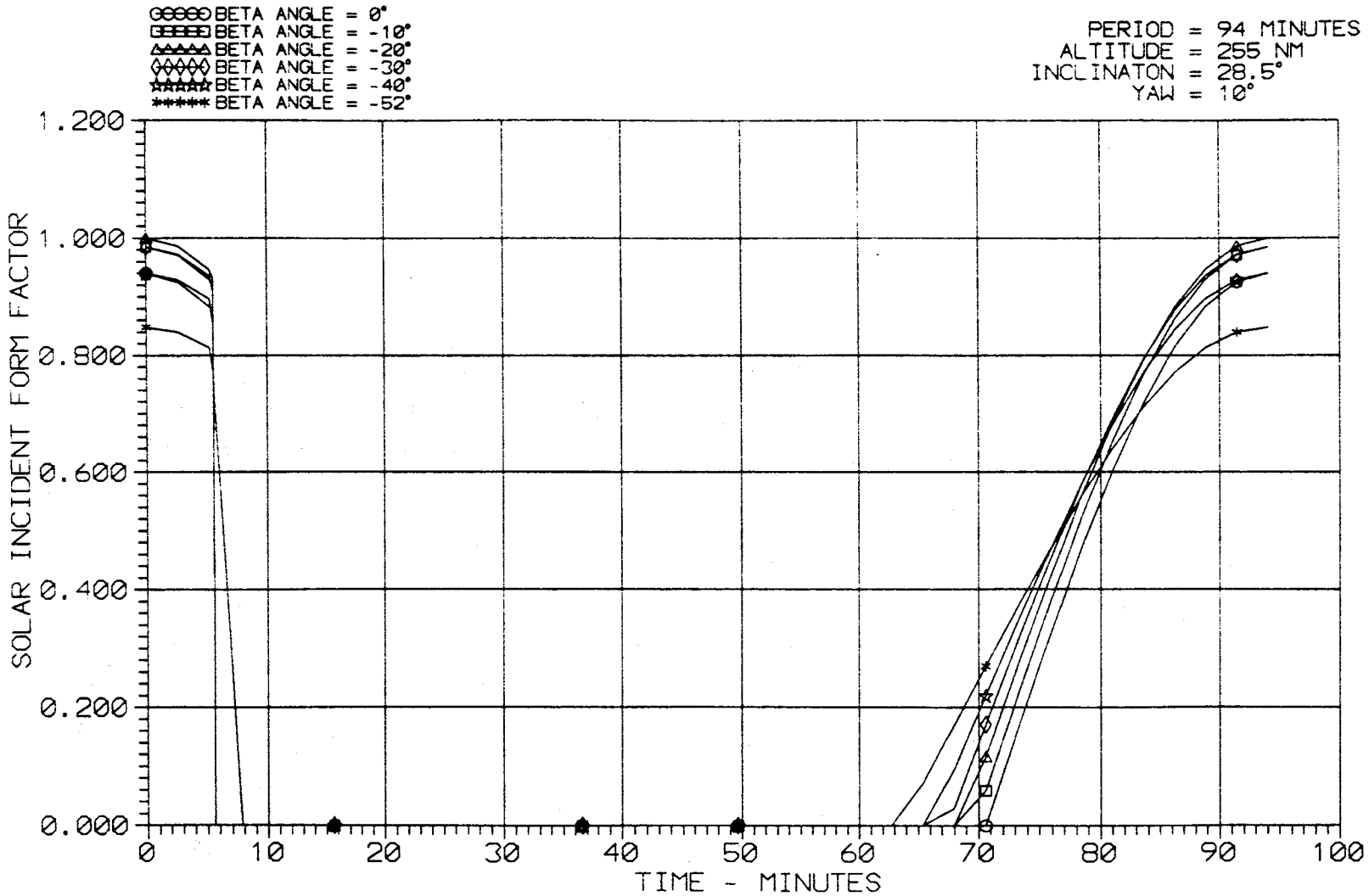
ROW: 3



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR NEGATIVE BETA ANGLES

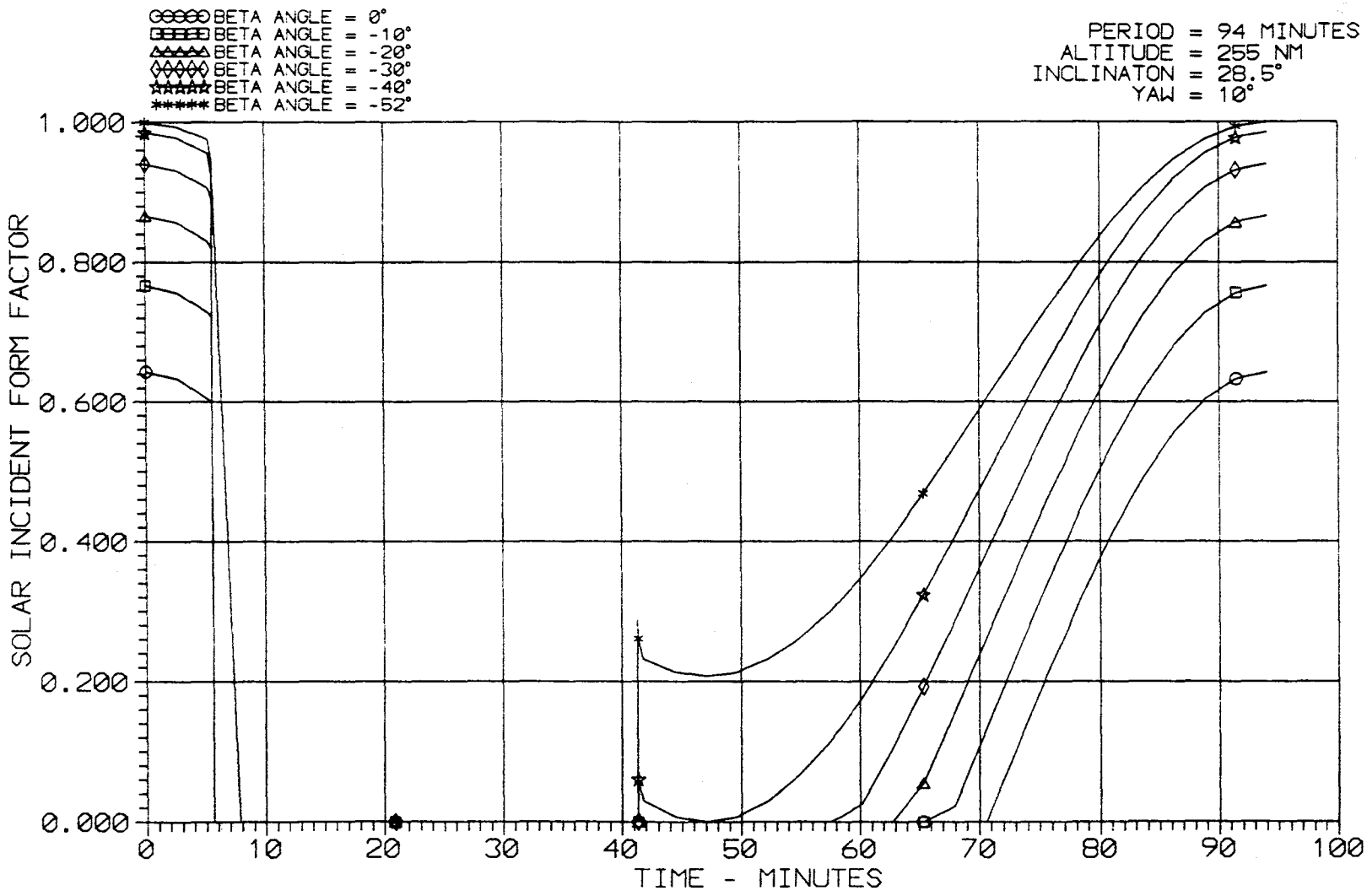
ROW: 4



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR NEGATIVE BETA ANGLES

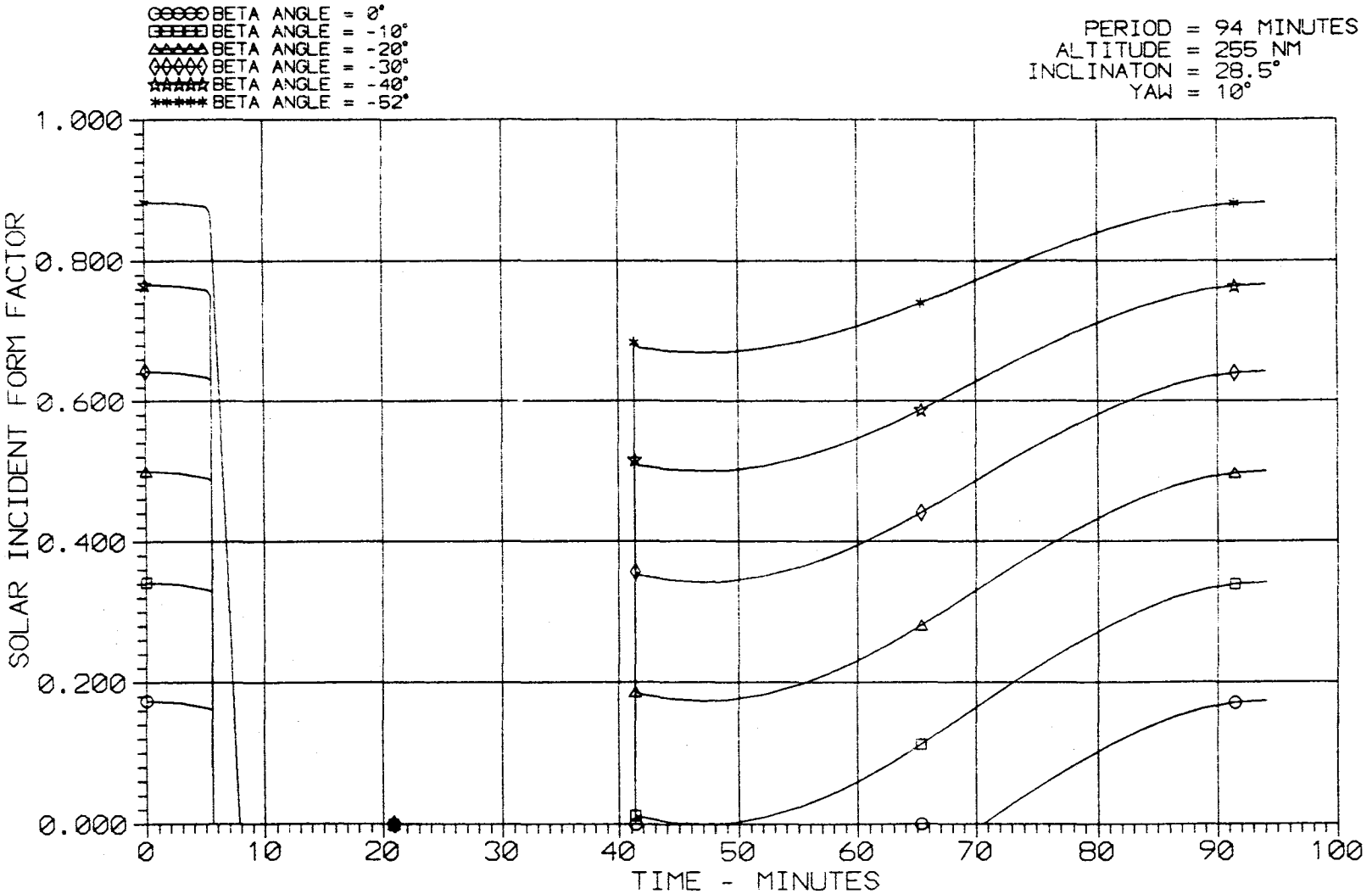
ROW: 5



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR NEGATIVE BETA ANGLES

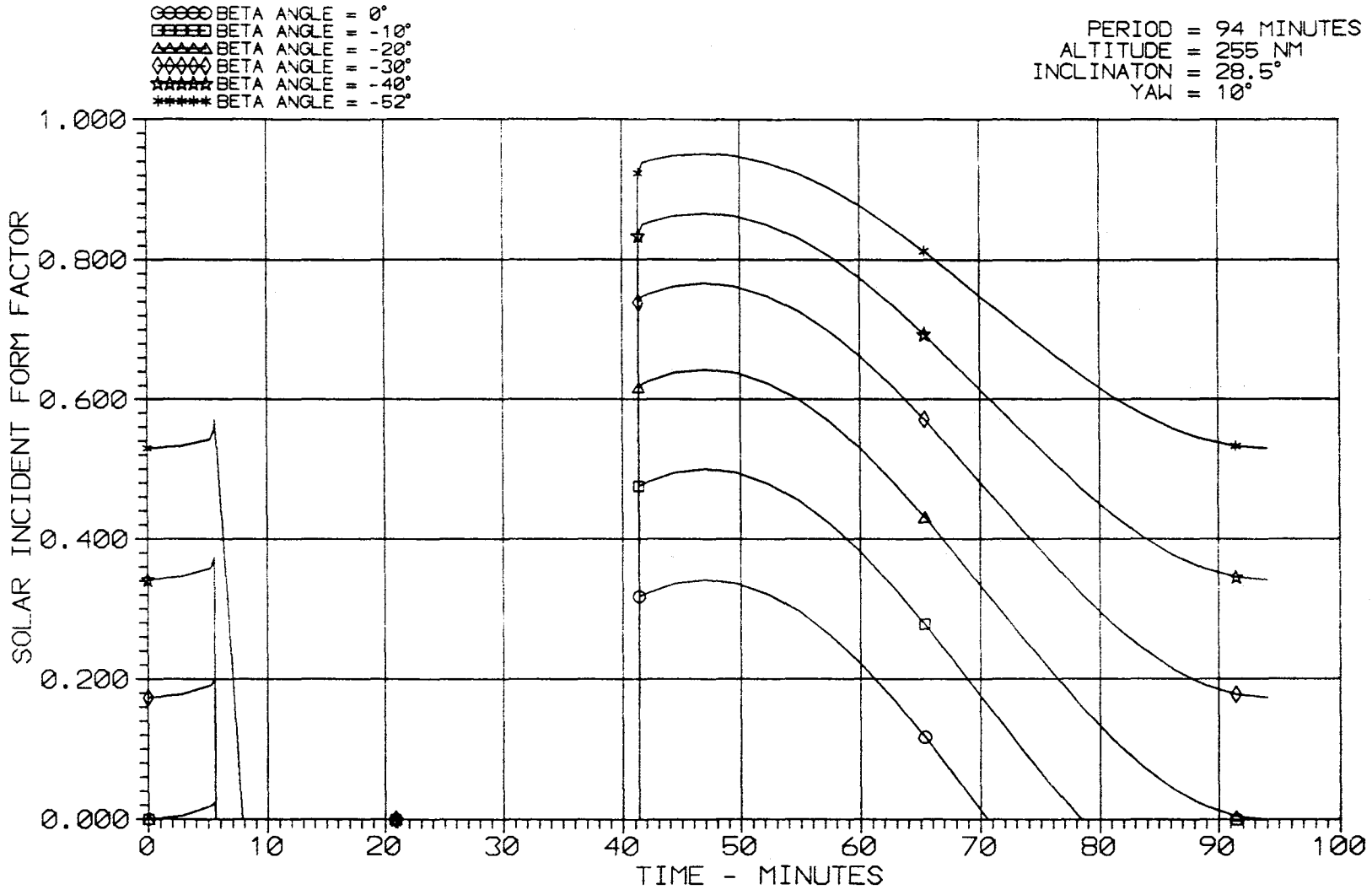
ROW: 6



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR NEGATIVE BETA ANGLES

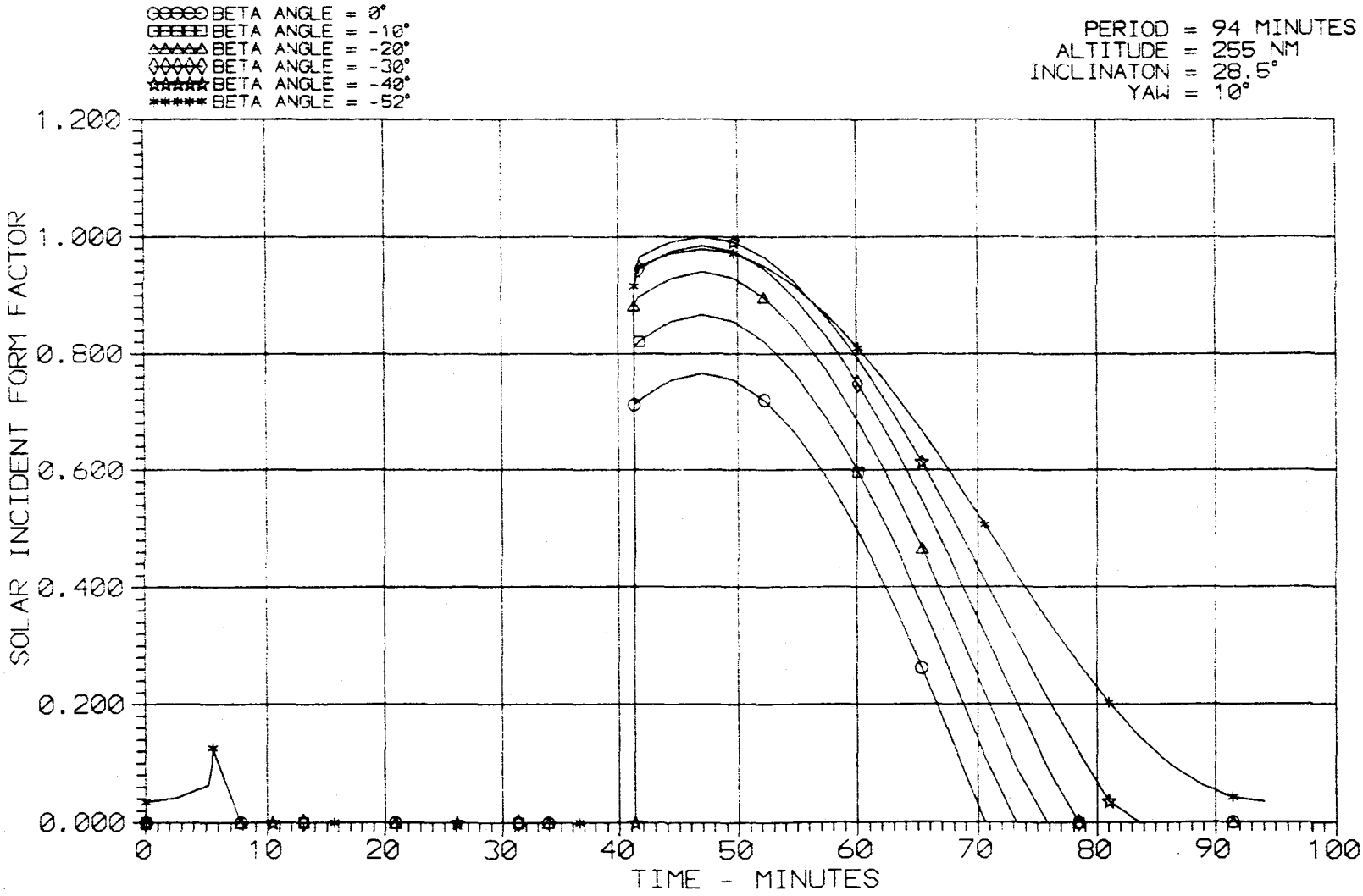
ROW: 7



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR NEGATIVE BETA ANGLES

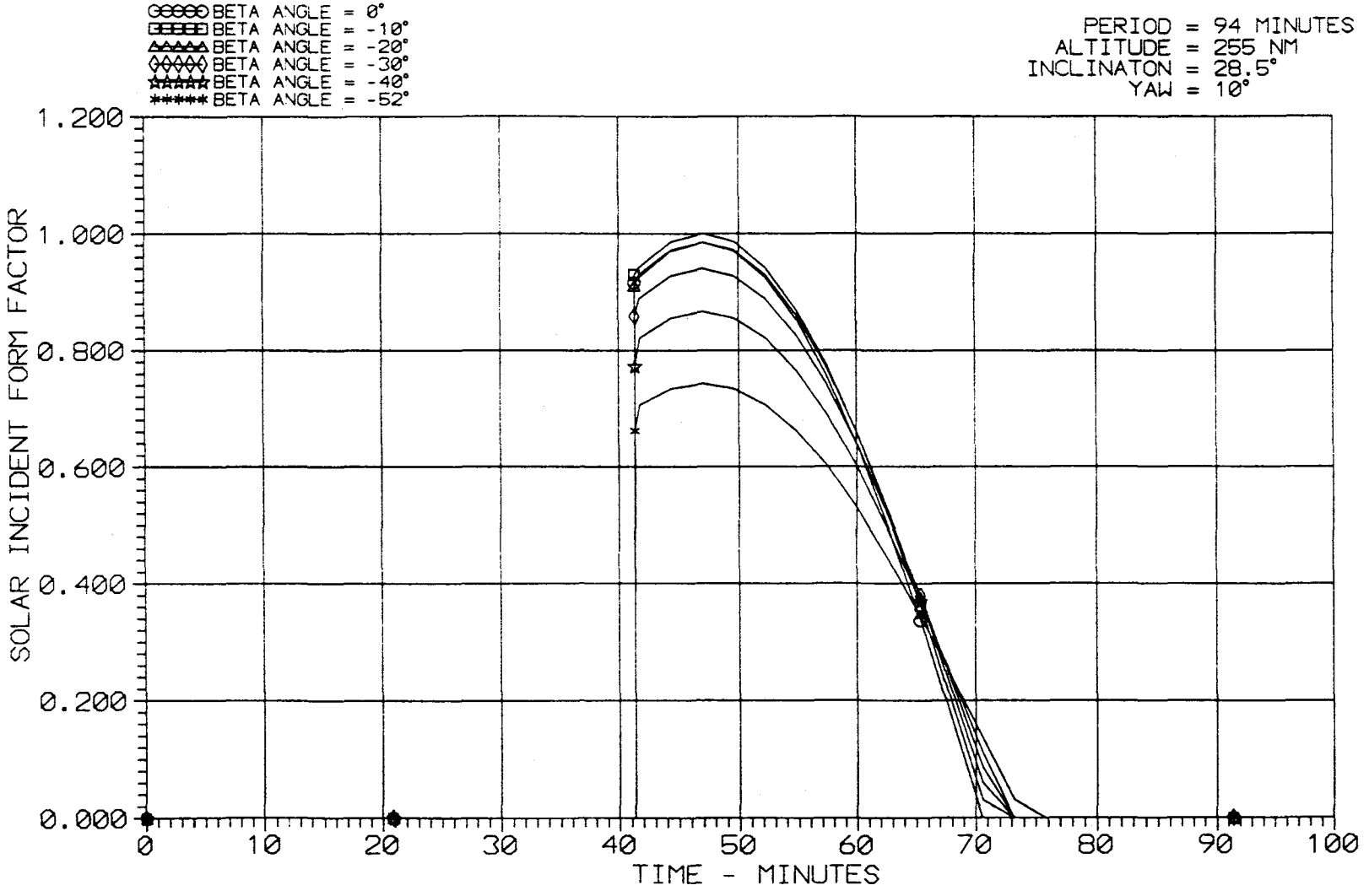
ROW: 8



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR NEGATIVE BETA ANGLES

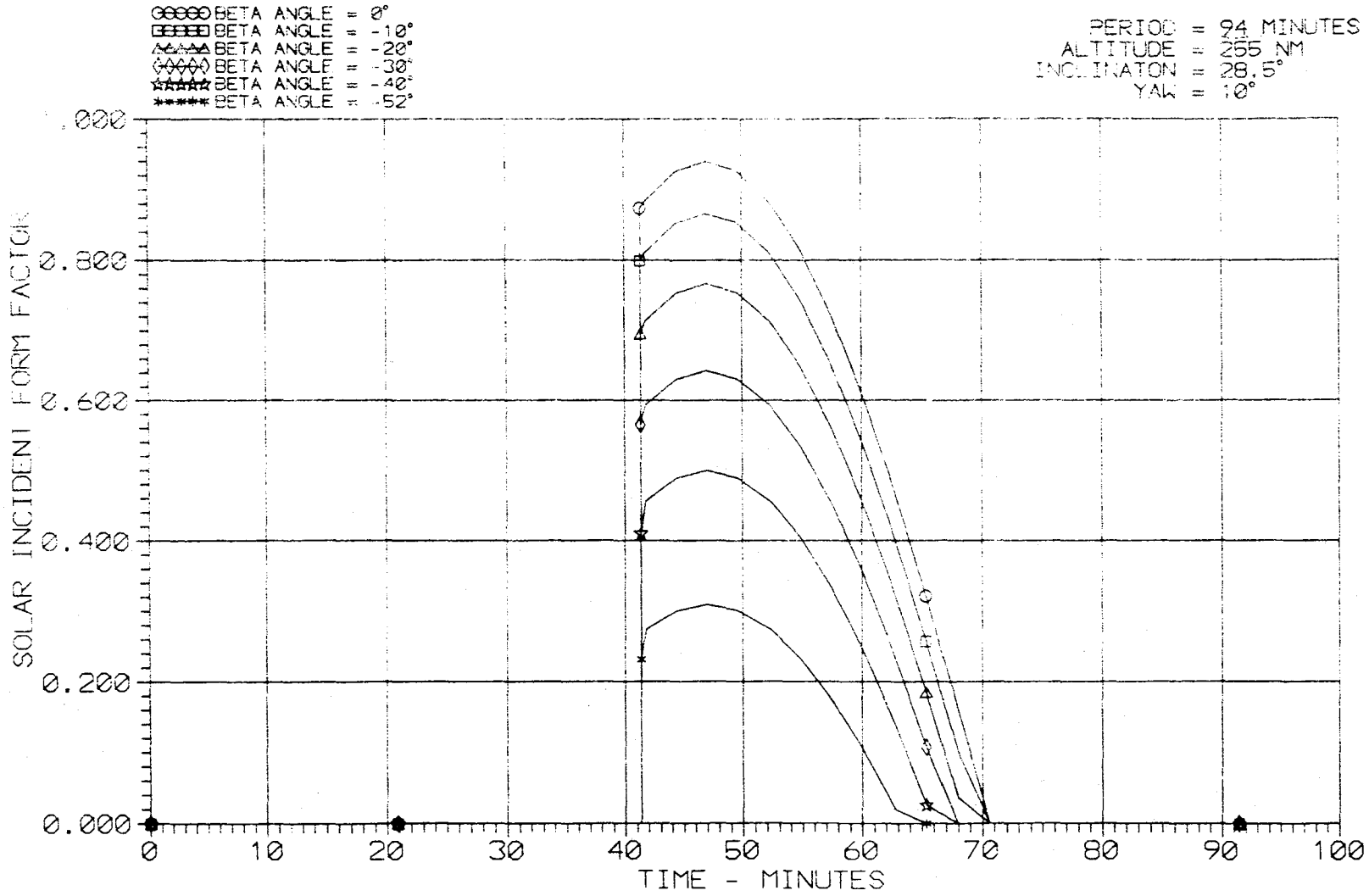
ROW: 9



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR NEGATIVE BETA ANGLES

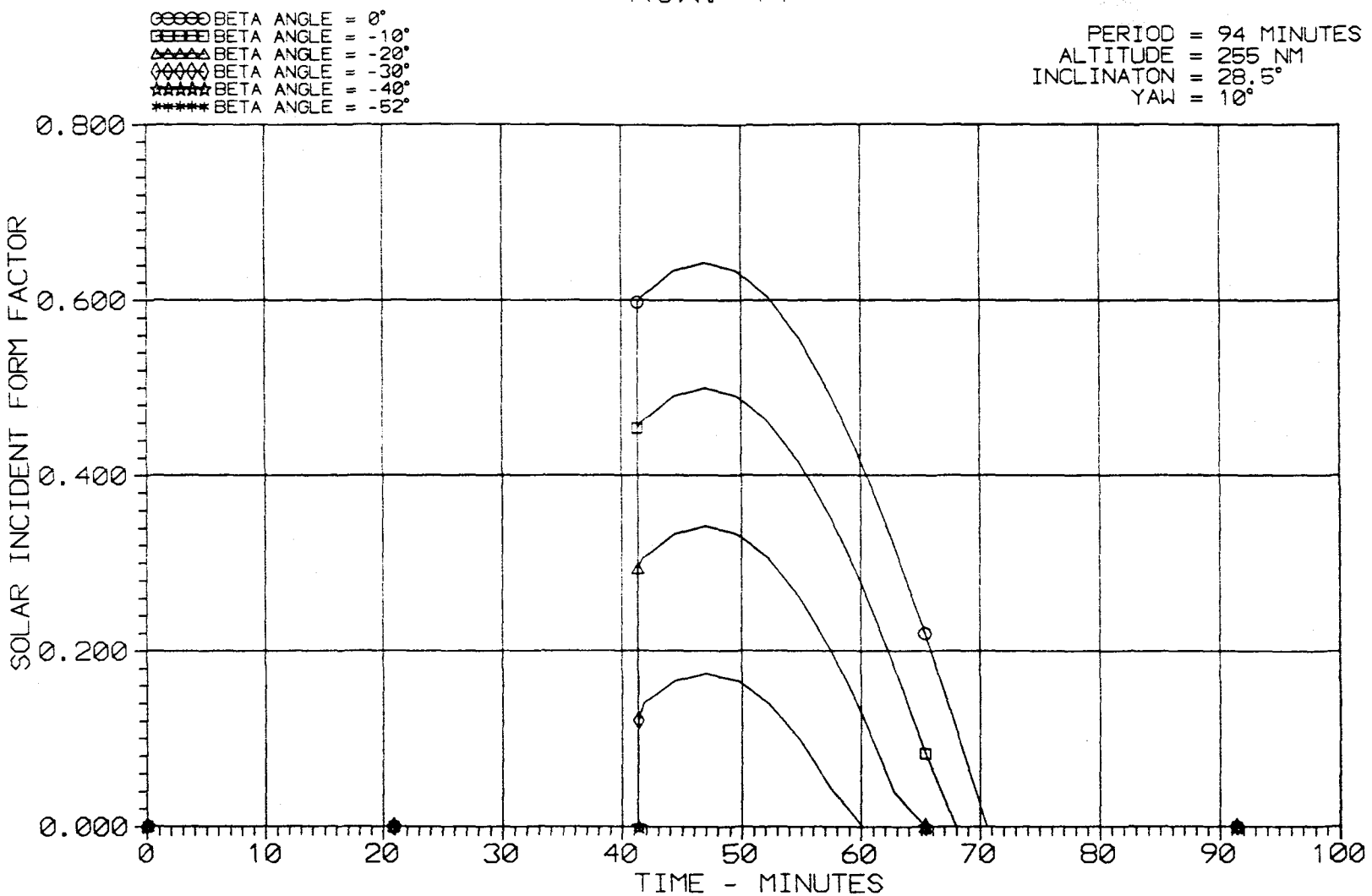
ROW: 10



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR NEGATIVE BETA ANGLES

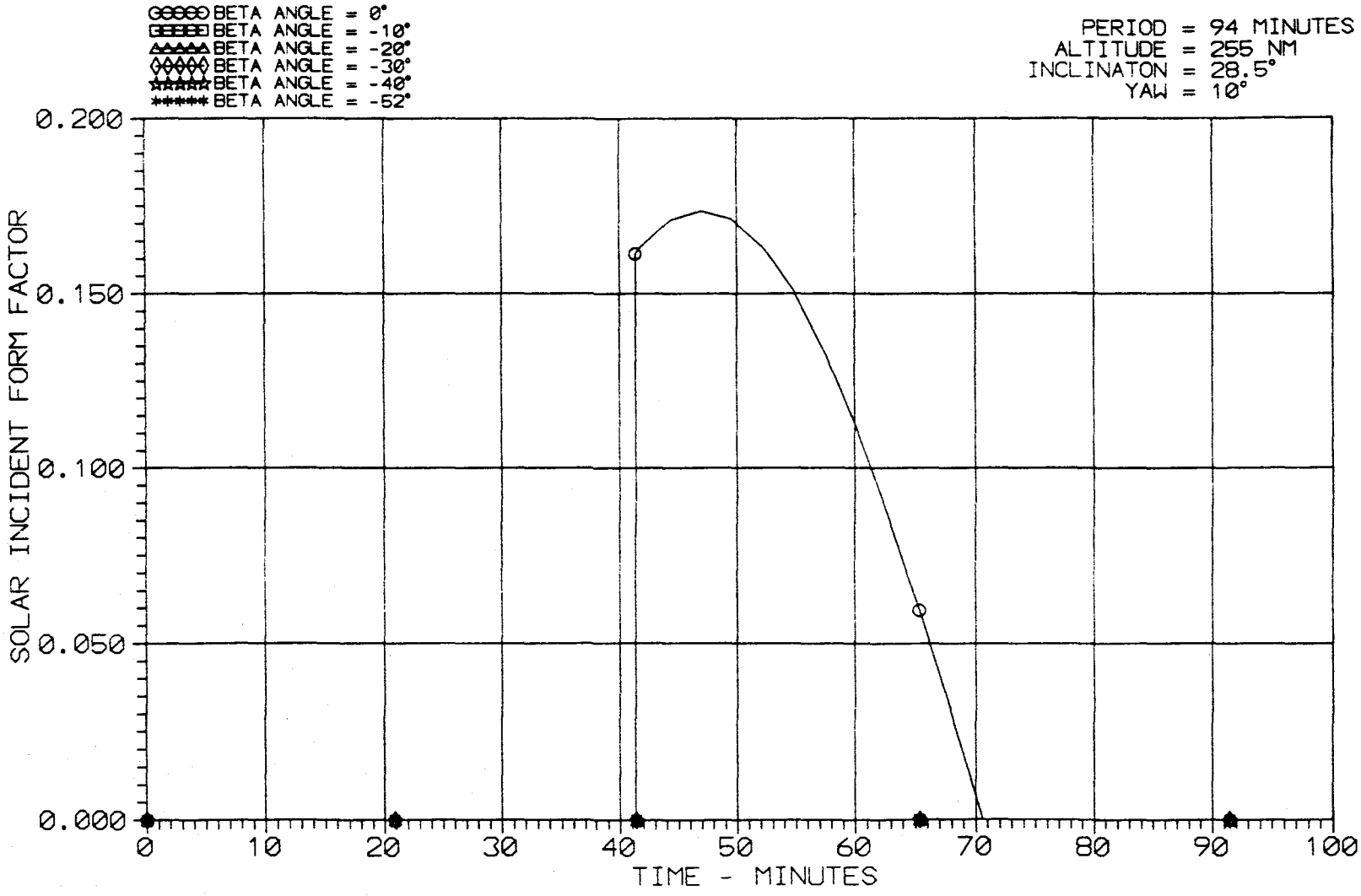
ROW: 11



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR NEGATIVE BETA ANGLES

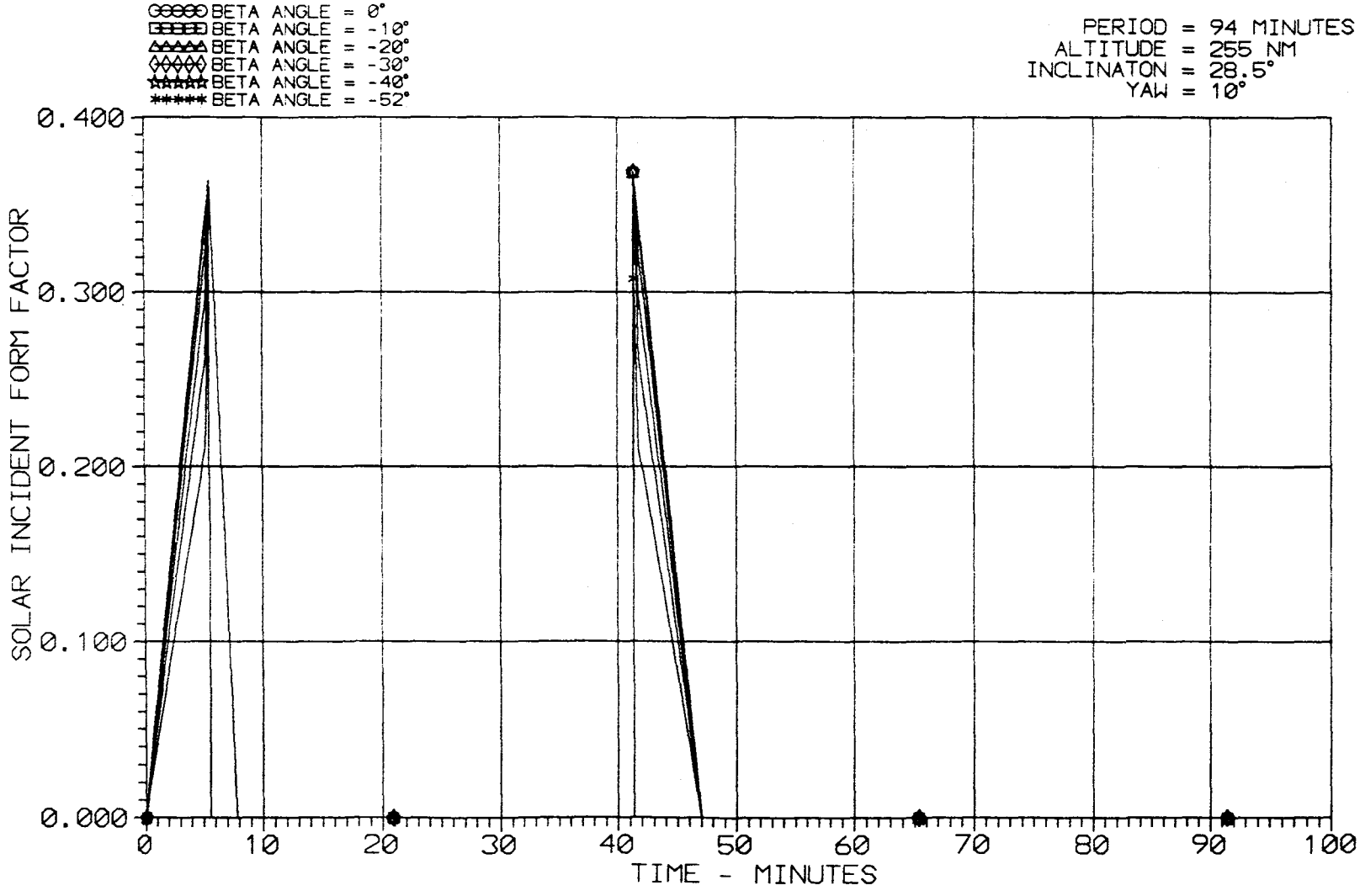
ROW: 12



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR NEGATIVE BETA ANGLES

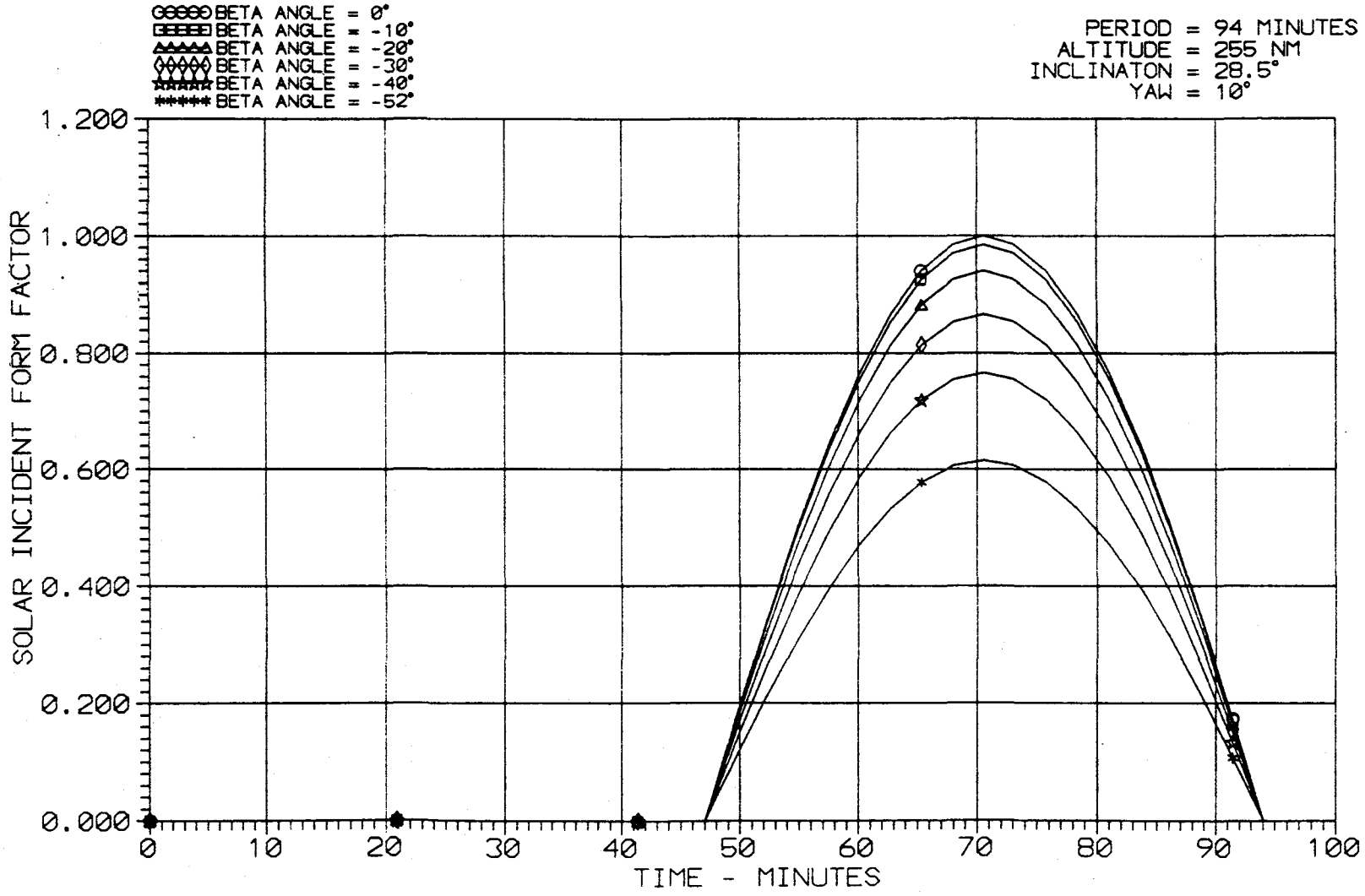
EARTH END



LONG DURATION EXPOSURE FACILITY

ORBITAL SOLAR FORM FACTOR FOR NEGATIVE BETA ANGLES

SPACE END



LONG DURATION EXPOSURE FACILITY
SOLAR ILLUMINATION DATA PACKAGE

SOLAR ILLUMINATION FORM FACTORS
> SOLAR

FORM FACTORS @ 10° YAW (ALL ROWS/ENDS)

ONE ORBIT DETAILED

- 10° BETA ANGLE INTERVALS

(-52°,-40°,-30°,-20°,-10°,0°,10°,20°,30°,40°,52°)

TABLE

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ROW 1: INCIDENT SOLAR FORM FACTOR VS. TIME

ROW 1	INCIDENT SOLAR FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0	0	0	0	0.1736	0.3420	0.5000	0.6428	0.7660	0.8660	0.9511
2.61	0	0	0	0	0.1685	0.3368	0.4949	0.6379	0.7615	0.8620	0.9479
5.21	0	0	0	0	0.1533	0.3214	0.4797	0.6234	0.7482	0.8502	0.9384
5.54	0	0	0	0	0.1500	0.3188	0.4763	0.6179	0.7388	0.8347	0.9228
5.59	0	0	0	0	0	0	0	0	0	0	0.9104
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0.5719
41.36	0	0	0	0	0	0	0	0.0258	0.2018	0.3744	0.5581
41.79	0	0	0	0	0	0	0	0.0194	0.1915	0.3578	0.5426
44.41	0	0	0	0	0	0	0	0.0049	0.1781	0.3460	0.5331
47.03	0	0	0	0	0	0	0	0.0009	0.1736	0.3420	0.5299
49.65	0	0	0	0	0	0	0	0.0049	0.1781	0.3460	0.5331
52.27	0	0	0	0	0	0	0	0.0194	0.1915	0.3578	0.5426
54.89	0	0	0	0	0	0	0	0.0431	0.2133	0.3771	0.5581
57.51	0	0	0	0	0	0	0	0.0752	0.2429	0.4033	0.5792
60.12	0	0	0	0	0	0	0	0.1148	0.2795	0.4356	0.6051
62.74	0	0	0	0	0	0	0	0.1607	0.3217	0.4730	0.6352
65.36	0	0	0	0	0	0	0.0480	0.2115	0.3685	0.5144	0.6685
67.97	0	0	0	0	0	0	0.1047	0.2656	0.4184	0.5585	0.7039
70.58	0	0	0	0	0	0	0.1632	0.3214	0.4698	0.6040	0.7405
73.20	0	0	0	0	0	0.0594	0.2217	0.3772	0.5213	0.6495	0.7771
75.81	0	0	0	0	0	0.1170	0.2784	0.4313	0.5712	0.6936	0.8125
78.42	0	0	0	0	0.0052	0.1710	0.3316	0.4821	0.6179	0.7350	0.8458
81.02	0	0	0	0	0.0533	0.2198	0.3797	0.5280	0.6602	0.7724	0.8758
83.63	0	0	0	0	0.0948	0.2620	0.4212	0.5676	0.6967	0.8047	0.9018
86.24	0	0	0	0	0.1285	0.2962	0.4549	0.5997	0.7264	0.8309	0.9228
88.84	0	0	0	0	0.1533	0.3214	0.4797	0.6234	0.7482	0.8502	0.9384
91.45	0	0	0	0	0.1685	0.3368	0.4949	0.6379	0.7615	0.8620	0.9479
94.05	0	0	0	0	0.1736	0.3420	0.5000	0.6428	0.7660	0.8660	0.9511
	ORBITAL AVERAGE SOLAR FORM FACTOR										
	0	0	0	0	0.0290	0.0739	0.1301	0.2011	0.2997	0.3975	0.5203

ROW 2: INCIDENT SOLAR FORM FACTOR VS. TIME

ROW 2	INCIDENT SOLAR FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0	0.1736	0.1736	0.5000	0.6428	0.7660	0.8660	0.9397	0.9848	1.0000	0.9781
2.61	0	0.1647	0.1647	0.4891	0.6313	0.7544	0.8546	0.9288	0.9747	0.9911	0.9710
5.21	0	0.1383	0.1383	0.4566	0.5973	0.7198	0.8205	0.8963	0.9448	0.9646	0.9497
5.54	0	0.1035	0.1035	0.4442	0.5898	0.7139	0.8131	0.8839	0.9238	0.9299	0.9150
5.59	0	0	0	0	0	0	0	0	0	0	0.8871
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0.1290
41.36	0	0	0	0	0	0	0	0	0	0	0.0981
41.79	0	0	0	0	0	0	0	0	0	0	0.0633
44.41	0	0	0	0	0	0	0	0	0	0	0.0421
47.03	0	0	0	0	0	0	0	0	0	0	0.0349
49.65	0	0	0	0	0	0	0	0	0	0	0.0421
52.27	0	0	0	0	0	0	0	0	0	0	0.0633
54.89	0	0	0	0	0	0	0	0	0	0	0.0981
57.51	0	0	0	0	0	0	0	0	0	0	0.1452
60.12	0	0	0	0	0	0	0	0	0	0.0360	0.2034
62.74	0	0	0	0	0	0	0	0	0	0.1198	0.2707
65.36	0	0	0	0	0	0	0	0	0.0945	0.2125	0.3452
67.97	0	0	0	0	0	0	0	0.0948	0.2062	0.3113	0.4246
70.58	0	0	0	0	0	0	0.1116	0.2198	0.3214	0.4132	0.5065
73.20	0	0	0	0	0.0194	0.1330	0.2426	0.3448	0.4366	0.5151	0.5884
75.81	0	0	0	0.0264	0.1464	0.2620	0.3696	0.4660	0.5483	0.6139	0.6678
78.42	0	0	0	0.1401	0.2656	0.3830	0.4888	0.5798	0.6531	0.7066	0.7423
81.02	0	0	0	0.2429	0.3733	0.4924	0.5965	0.6826	0.7478	0.7904	0.8097
83.63	0	0.0364	0.0364	0.3316	0.4663	0.5868	0.6895	0.7713	0.8296	0.8627	0.8678
86.24	0	0.0950	0.0950	0.4036	0.5417	0.6634	0.7650	0.8433	0.8959	0.9214	0.9150
88.84	0	0.1383	0.1383	0.4566	0.5973	0.7198	0.8205	0.8963	0.9448	0.9646	0.9497
91.45	0	0.1647	0.1647	0.4891	0.6313	0.7544	0.8546	0.9288	0.9747	0.9911	0.9710
94.05	0	0.1736	0.1736	0.5000	0.6428	0.7660	0.8660	0.9397	0.9848	1.0000	0.9781
	ORBITAL AVERAGE SOLAR FORM FACTOR										
	0	0.0261	0.0597	0.0951	0.1306	0.1655	0.1997	0.2326	0.2644	0.2973	0.3550

ROW 3: INCIDENT SOLAR FORM FACTOR VS. TIME

ROW 3	INCIDENT SOLAR FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.4695	0.6428	0.7660	0.8660	0.9397	0.9848	1.0000	0.9848	0.9397	0.8660	0.7431
2.61	0.4603	0.6313	0.7531	0.8520	0.9250	0.9698	0.9853	0.9707	0.9267	0.8546	0.7339
5.21	0.4329	0.5973	0.7146	0.8102	0.8812	0.9254	0.9415	0.9290	0.8883	0.8205	0.7066
5.54	0.3882	0.5527	0.6876	0.7943	0.8716	0.9178	0.9319	0.9131	0.8612	0.7759	0.6619
5.59	0.3524	0	0	0	0	0	0	0	0	0	0.6261
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0	0	0	0	0	0	0	0	0	0	0
44.41	0	0	0	0	0	0	0	0	0	0	0
47.03	0	0	0	0	0	0	0	0	0	0	0
49.65	0	0	0	0	0	0	0	0	0	0	0
52.27	0	0	0	0	0	0	0	0	0	0	0
54.89	0	0	0	0	0	0	0	0	0	0	0
57.51	0	0	0	0	0	0	0	0	0	0	0
60.12	0	0	0	0	0	0	0	0	0	0	0
62.74	0	0	0	0	0	0	0	0	0	0	0
65.36	0	0	0	0	0	0	0	0	0	0	0
67.97	0	0	0	0	0	0	0	0	0	0	0.0316
70.58	0	0	0	0	0	0	0.0302	0.0594	0.0868	0.1116	0.1368
73.20	0	0.0194	0.0613	0.1013	0.1383	0.1710	0.1986	0.2201	0.2349	0.2426	0.2421
75.81	0.0705	0.1464	0.2049	0.2571	0.3016	0.3368	0.3619	0.3759	0.3785	0.3696	0.3442
78.42	0.1663	0.2656	0.3396	0.4033	0.4548	0.4924	0.5151	0.5221	0.5133	0.4888	0.4400
81.02	0.2529	0.3733	0.4614	0.5355	0.5933	0.6330	0.6536	0.6542	0.6350	0.5965	0.5266
83.63	0.3276	0.4663	0.5665	0.6495	0.7128	0.7544	0.7731	0.7683	0.7402	0.6895	0.6013
86.24	0.3882	0.5417	0.6518	0.7420	0.8098	0.8529	0.8701	0.8608	0.8254	0.7650	0.6619
88.84	0.4329	0.5973	0.7146	0.8102	0.8812	0.9254	0.9415	0.9290	0.8883	0.8205	0.7066
91.45	0.4603	0.6313	0.7531	0.8520	0.9250	0.9698	0.9853	0.9707	0.9267	0.8546	0.7339
94.05	0.4695	0.6428	0.7660	0.8660	0.9397	0.9848	1.0000	0.9848	0.9397	0.8660	0.7431
	ORBITAL AVERAGE FORM FACTOR										
	0.1077	0.1412	0.1654	0.1856	0.2014	0.2127	0.2201	0.2227	0.2207	0.2144	0.2035

ROW 4: INCIDENT SOLAR FORM FACTOR VS. TIME

ROW 4	INCIDENT SOLAR FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.8480	0.9397	0.9848	1.0000	0.9848	0.9397	0.8660	0.7660	0.6428	0.5000	0.3090
2.61	0.8393	0.9288	0.9724	0.9866	0.9707	0.9254	0.8520	0.7526	0.6304	0.4891	0.3002
5.21	0.8132	0.8963	0.9357	0.9467	0.9290	0.8830	0.8102	0.7128	0.5937	0.4566	0.2741
5.54	0.7705	0.8537	0.9099	0.9316	0.9198	0.8758	0.8010	0.6976	0.5679	0.4140	0.2315
5.59	0.7363	0	0	0	0	0	0	0	0	0	0.1973
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0	0	0	0	0	0	0	0	0	0	0
44.41	0	0	0	0	0	0	0	0	0	0	0
47.03	0	0	0	0	0	0	0	0	0	0	0
49.65	0	0	0	0	0	0	0	0	0	0	0
52.27	0	0	0	0	0	0	0	0	0	0	0
54.89	0	0	0	0	0	0	0	0	0	0	0
57.51	0	0	0	0	0	0	0	0	0	0	0
60.12	0	0	0	0	0	0	0	0	0	0	0
62.74	0	0	0	0	0	0	0	0	0	0	0
65.36	0.0716	0	0	0	0	0	0	0	0	0	0
67.97	0.1691	0.0948	0.0297	0	0	0	0	0	0	0	0
70.58	0.2695	0.2198	0.1710	0.1170	0.0594	0	0	0	0	0	0
73.20	0.3700	0.3448	0.3123	0.2703	0.2201	0.1632	0.1013	0.0364	0	0	0
75.81	0.4674	0.4660	0.4493	0.4190	0.3759	0.3214	0.2571	0.1850	0.1073	0.0264	0
78.42	0.5588	0.5798	0.5779	0.5585	0.5221	0.4698	0.4033	0.3245	0.2359	0.1401	0.0198
81.02	0.6414	0.6826	0.6941	0.6846	0.6542	0.6040	0.5355	0.4506	0.3521	0.2429	0.1024
83.63	0.7127	0.7713	0.7944	0.7934	0.7683	0.7198	0.6495	0.5595	0.4524	0.3316	0.1737
86.24	0.7705	0.8433	0.8758	0.8817	0.8608	0.8138	0.7420	0.6477	0.5338	0.4036	0.2315
88.84	0.8132	0.8963	0.9357	0.9467	0.9290	0.8830	0.8102	0.7128	0.5937	0.4566	0.2741
91.45	0.8393	0.9288	0.9724	0.9866	0.9707	0.9254	0.8520	0.7526	0.6304	0.4891	0.3002
94.05	0.8480	0.9397	0.9848	1.0000	0.9848	0.9397	0.8660	0.7660	0.6428	0.5000	0.3090
	ORBITAL AVERAGE FORM FACTOR										
	0.2506	0.2460	0.2407	0.2322	0.2199	0.2030	0.1831	0.1591	0.1318	0.1017	0.0619

ROW 5: INCIDENT SOLAR FORM FACTOR VS. TIME

ROW 5	INCIDENT SOLAR FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.9994	0.9848	0.9397	0.8660	0.7660	0.6428	0.5000	0.3420	0.1736	0	0
2.61	0.9934	0.9773	0.9312	0.8569	0.7564	0.6330	0.4904	0.3328	0.1652	0	0
5.21	0.9755	0.9551	0.9061	0.8296	0.7279	0.6040	0.4618	0.3056	0.1401	0	0
5.54	0.9464	0.9260	0.8885	0.8192	0.7216	0.5991	0.4555	0.2952	0.1224	0	0
5.59	0.9230	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0.2869	0	0	0	0	0	0	0	0	0	0
41.36	0.2609	0.0609	0	0	0	0	0	0	0	0	0
41.79	0.2318	0.0297	0	0	0	0	0	0	0	0	0
44.41	0.2139	0.0075	0	0	0	0	0	0	0	0	0
47.03	0.2079	0.0000	0	0	0	0	0	0	0	0	0
49.65	0.2139	0.0075	0	0	0	0	0	0	0	0	0
52.27	0.2318	0.0297	0	0	0	0	0	0	0	0	0
54.89	0.2609	0.0660	0	0	0	0	0	0	0	0	0
57.51	0.3005	0.1152	0	0	0	0	0	0	0	0	0
60.12	0.3493	0.1759	0.0252	0	0	0	0	0	0	0	0
62.74	0.4058	0.2462	0.1047	0	0	0	0	0	0	0	0
65.36	0.4683	0.3240	0.1926	0.0554	0	0	0	0	0	0	0
67.97	0.5349	0.4069	0.2864	0.1571	0.0231	0	0	0	0	0	0
70.58	0.6037	0.4924	0.3830	0.2620	0.1330	0	0	0	0	0	0
73.20	0.6724	0.5779	0.4797	0.3669	0.2429	0.1116	0	0	0	0	0
75.81	0.7390	0.6608	0.5734	0.4686	0.3495	0.2198	0.0835	0	0	0	0
78.42	0.8015	0.7386	0.6614	0.5640	0.4495	0.3214	0.1835	0.0400	0	0	0
81.02	0.8580	0.8089	0.7408	0.6503	0.5399	0.4132	0.2739	0.1263	0	0	0
83.63	0.9068	0.8696	0.8095	0.7247	0.6179	0.4924	0.3519	0.2007	0.0434	0	0
86.24	0.9464	0.9188	0.8651	0.7851	0.6812	0.5567	0.4152	0.2611	0.0991	0	0
88.84	0.9755	0.9551	0.9061	0.8296	0.7279	0.6040	0.4618	0.3056	0.1401	0	0
91.45	0.9934	0.9773	0.9312	0.8569	0.7564	0.6330	0.4904	0.3328	0.1652	0	0
94.05	0.9994	0.9848	0.9397	0.8660	0.7660	0.6428	0.5000	0.3420	0.1736	0	0
	ORBITAL AVERAGE FORM FACTOR										
	0.4236	0.3234	0.2694	0.2242	0.181	0.1388	0.0986	0.0603	0.0255	0	0

ROW 6: INCIDENT SOLAR FORM FACTOR VS. TIME

ROW 6	INCIDENT SOLAR FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.8829	0.7660	0.6428	0.5000	0.3420	0.1736	0	0	0	0	0
2.61	0.8813	0.7640	0.6405	0.4975	0.3394	0.1710	0	0	0	0	0
5.21	0.8765	0.7580	0.6337	0.4902	0.3317	0.1632	0	0	0	0	0
5.54	0.8686	0.7502	0.6290	0.4874	0.3300	0.1618	0	0	0	0	0
5.59	0.8623	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0.6905	0	0	0	0	0	0	0	0	0	0
41.36	0.6835	0.5164	0.3563	0.1867	0.0124	0	0	0	0	0	0
41.79	0.6756	0.5080	0.3511	0.1835	0.0103	0	0	0	0	0	0
44.41	0.6708	0.5020	0.3443	0.1761	0.0026	0	0	0	0	0	0
47.03	0.6691	0.5000	0.3420	0.1736	0.0000	0	0	0	0	0	0
49.65	0.6708	0.5020	0.3443	0.1761	0.0026	0	0	0	0	0	0
52.27	0.6756	0.5080	0.3511	0.1835	0.0103	0	0	0	0	0	0
54.89	0.6835	0.5178	0.3622	0.1955	0.0229	0	0	0	0	0	0
57.51	0.6941	0.5311	0.3772	0.2118	0.0400	0	0	0	0	0	0
60.12	0.7073	0.5475	0.3957	0.2319	0.0611	0	0	0	0	0	0
62.74	0.7226	0.5665	0.4172	0.2552	0.0855	0	0	0	0	0	0
65.36	0.7395	0.5875	0.4410	0.2810	0.1125	0	0	0	0	0	0
67.97	0.7575	0.6099	0.4663	0.3085	0.1413	0	0	0	0	0	0
70.58	0.7760	0.6330	0.4924	0.3368	0.1710	0	0	0	0	0	0
73.20	0.7946	0.6561	0.5185	0.3652	0.2007	0.0302	0	0	0	0	0
75.81	0.8126	0.6785	0.5438	0.3926	0.2295	0.0594	0	0	0	0	0
78.42	0.8295	0.6995	0.5676	0.4184	0.2565	0.0868	0	0	0	0	0
81.02	0.8448	0.7185	0.5891	0.4417	0.2809	0.1116	0	0	0	0	0
83.63	0.8579	0.7349	0.6076	0.4618	0.3020	0.1330	0	0	0	0	0
86.24	0.8686	0.7482	0.6226	0.4781	0.3191	0.1504	0	0	0	0	0
88.84	0.8765	0.7580	0.6337	0.4902	0.3317	0.1632	0	0	0	0	0
91.45	0.8813	0.7640	0.6405	0.4975	0.3394	0.1710	0	0	0	0	0
94.05	0.8829	0.7660	0.6428	0.5000	0.3420	0.1736	0	0	0	0	0
	ORBITAL AVERAGE FORM FACTOR										
	0.5456	0.4169	0.3145	0.2111	0.1059	0.0375	0	0	0	0	0

ROW 7: INCIDENT SOLAR FORM FACTOR VS. TIME

ROW 7	INCIDENT SOLAR FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.5299	0.3420	0.1736	0	0	0	0	0	0	0	0
2.61	0.5331	0.3460	0.1781	0.0049	0	0	0	0	0	0	0
5.21	0.5426	0.3578	0.1915	0.0194	0	0	0	0	0	0	0
5.54	0.5581	0.3733	0.2009	0.0249	0	0	0	0	0	0	0
5.59	0.5706	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0.9091	0	0	0	0	0	0	0	0	0	0
41.36	0.9228	0.8336	0.7378	0.6170	0.4755	0.3179	0.1492	0	0	0	0
41.79	0.9384	0.8502	0.7482	0.6234	0.4797	0.3214	0.1533	0	0	0	0
44.41	0.9479	0.8620	0.7615	0.6379	0.4949	0.3368	0.1685	0	0	0	0
47.03	0.9511	0.8660	0.7660	0.6428	0.5000	0.3420	0.1736	0	0	0	0
49.65	0.9479	0.8620	0.7615	0.6379	0.4949	0.3368	0.1685	0	0	0	0
52.27	0.9384	0.8502	0.7482	0.6234	0.4797	0.3214	0.1533	0	0	0	0
54.89	0.9228	0.8309	0.7264	0.5997	0.4549	0.2962	0.1285	0	0	0	0
57.51	0.9018	0.8047	0.6967	0.5676	0.4212	0.2620	0.0948	0	0	0	0
60.12	0.8758	0.7724	0.6602	0.5280	0.3797	0.2198	0.0533	0	0	0	0
62.74	0.8458	0.7350	0.6179	0.4821	0.3316	0.1710	0.0052	0	0	0	0
65.36	0.8125	0.6936	0.5712	0.4313	0.2784	0.1170	0	0	0	0	0
67.97	0.7771	0.6495	0.5213	0.3772	0.2217	0.0594	0	0	0	0	0
70.58	0.7405	0.6040	0.4698	0.3214	0.1632	0	0	0	0	0	0
73.20	0.7039	0.5585	0.4184	0.2656	0.1047	0	0	0	0	0	0
75.81	0.6685	0.5144	0.3685	0.2115	0.0480	0	0	0	0	0	0
78.42	0.6352	0.4730	0.3217	0.1607	0	0	0	0	0	0	0
81.02	0.6051	0.4356	0.2795	0.1148	0	0	0	0	0	0	0
83.63	0.5792	0.4033	0.2429	0.0752	0	0	0	0	0	0	0
86.24	0.5581	0.3771	0.2133	0.0431	0	0	0	0	0	0	0
88.84	0.5426	0.3578	0.1915	0.0194	0	0	0	0	0	0	0
91.45	0.5331	0.3460	0.1781	0.0049	0	0	0	0	0	0	0
94.05	0.5299	0.3420	0.1736	0.0000	0	0	0	0	0	0	0
	ORBITAL AVERAGE FORM FACTOR										
	0.5214	0.3987	0.3011	0.2024	0.1312	0.0746	0.0294	0	0	0	0

ROW 8: INCIDENT SOLAR FORM FACTOR VS. TIME

ROW 8	INCIDENT SOLAR FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.0349	0	0	0	0	0	0	0	0	0	0
2.61	0.0421	0	0	0	0	0	0	0	0	0	0
5.21	0.0633	0	0	0	0	0	0	0	0	0	0
5.54	0.0981	0	0	0	0	0	0	0	0	0	0
5.59	0.1260	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0.8841	0	0	0	0	0	0	0	0	0	0
41.36	0.9150	0.9275	0.9216	0.8820	0.8112	0.7121	0.5879	0.4423	0.2789	0.1011	0
41.79	0.9497	0.9646	0.9448	0.8963	0.8205	0.7198	0.5973	0.4566	0.3020	0.1383	0
44.41	0.9710	0.9911	0.9747	0.9288	0.8546	0.7544	0.6313	0.4891	0.3319	0.1647	0
47.03	0.9781	1.0000	0.9848	0.9397	0.8660	0.7660	0.6428	0.5000	0.3420	0.1736	0
49.65	0.9710	0.9911	0.9747	0.9288	0.8546	0.7544	0.6313	0.4891	0.3319	0.1647	0
52.27	0.9497	0.9646	0.9448	0.8963	0.8205	0.7198	0.5973	0.4566	0.3020	0.1383	0
54.89	0.9150	0.9214	0.8959	0.8433	0.7650	0.6634	0.5417	0.4036	0.2531	0.0950	0
57.51	0.8678	0.8627	0.8296	0.7713	0.6895	0.5868	0.4663	0.3316	0.1868	0.0364	0
60.12	0.8097	0.7904	0.7478	0.6826	0.5965	0.4924	0.3733	0.2429	0.1050	0	0
62.74	0.7423	0.7066	0.6531	0.5798	0.4888	0.3830	0.2656	0.1401	0.0103	0	0
65.36	0.6678	0.6139	0.5483	0.4660	0.3696	0.2620	0.1464	0.0264	0	0	0
67.97	0.5884	0.5151	0.4366	0.3448	0.2426	0.1330	0.0194	0	0	0	0
70.58	0.5065	0.4132	0.3214	0.2198	0.1116	0	0	0	0	0	0
73.20	0.4246	0.3113	0.2062	0.0948	0	0	0	0	0	0	0
75.81	0.3452	0.2125	0.0945	0	0	0	0	0	0	0	0
78.42	0.2707	0.1198	0	0	0	0	0	0	0	0	0
81.02	0.2034	0.0360	0	0	0	0	0	0	0	0	0
83.63	0.1452	0	0	0	0	0	0	0	0	0	0
86.24	0.0981	0	0	0	0	0	0	0	0	0	0
88.84	0.0633	0	0	0	0	0	0	0	0	0	0
91.45	0.0421	0	0	0	0	0	0	0	0	0	0
94.05	0.0349	0	0	0	0	0	0	0	0	0	0
	ORBITAL AVERAGE SOLAR FORM FACTOR										
	0.3575	0.2998	0.2667	0.2347	0.2016	0.1670	0.1319	0.0961	0.0604	0.0264	0

ROW 9: INCIDENT SOLAR FORM FACTOR VS. TIME

ROW 9	INCIDENT SOLAR FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0	0	0	0	0	0	0	0	0	0	0
2.61	0	0	0	0	0	0	0	0	0	0	0
5.21	0	0	0	0	0	0	0	0	0	0	0
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0.6222	0	0	0	0	0	0	0	0	0	0.3485
41.36	0.6619	0.7728	0.8585	0.9106	0.9295	0.9155	0.8692	0.7918	0.6848	0.5495	0.3882
41.79	0.7066	0.8205	0.8883	0.9290	0.9415	0.9254	0.8812	0.8102	0.7146	0.5973	0.4329
44.41	0.7339	0.8546	0.9267	0.9707	0.9853	0.9698	0.9250	0.8520	0.7531	0.6313	0.4603
47.03	0.7431	0.8660	0.9397	0.9848	1.0000	0.9848	0.9397	0.8660	0.7660	0.6428	0.4695
49.65	0.7339	0.8546	0.9267	0.9707	0.9853	0.9698	0.9250	0.8520	0.7531	0.6313	0.4603
52.27	0.7066	0.8205	0.8883	0.9290	0.9415	0.9254	0.8812	0.8102	0.7146	0.5973	0.4329
54.89	0.6619	0.7650	0.8254	0.8608	0.8701	0.8529	0.8098	0.7420	0.6518	0.5417	0.3882
57.51	0.6013	0.6895	0.7402	0.7683	0.7731	0.7544	0.7128	0.6495	0.5665	0.4663	0.3276
60.12	0.5266	0.5965	0.6350	0.6542	0.6536	0.6330	0.5933	0.5355	0.4614	0.3733	0.2529
62.74	0.4400	0.4888	0.5133	0.5221	0.5151	0.4924	0.4548	0.4033	0.3396	0.2656	0.1663
65.36	0.3442	0.3696	0.3785	0.3759	0.3619	0.3368	0.3016	0.2571	0.2049	0.1464	0.0705
67.97	0.2421	0.2426	0.2349	0.2201	0.1986	0.1710	0.1383	0.1013	0.0613	0.0194	0
70.58	0.1368	0.1116	0.0868	0.0594	0.0302	0	0	0	0	0	0
73.20	0.0316	0	0	0	0	0	0	0	0	0	0
75.81	0	0	0	0	0	0	0	0	0	0	0
78.42	0	0	0	0	0	0	0	0	0	0	0
81.02	0	0	0	0	0	0	0	0	0	0	0
83.63	0	0	0	0	0	0	0	0	0	0	0
86.24	0	0	0	0	0	0	0	0	0	0	0
88.84	0	0	0	0	0	0	0	0	0	0	0
91.45	0	0	0	0	0	0	0	0	0	0	0
94.05	0	0	0	0	0	0	0	0	0	0	0
	ORBITAL AVERAGE SOLAR FORM FACTOR										
	0.2056	0.2166	0.2228	0.2248	0.2222	0.2148	0.2034	0.1874	0.1671	0.1427	0.1089

ROW 10: INCIDENT SOLAR FORM FACTOR VS. TIME

ROW 10	INCIDENT SOLAR FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0	0	0	0	0	0	0	0	0	0	0
2.61	0	0	0	0	0	0	0	0	0	0	0
5.21	0	0	0	0	0	0	0	0	0	0	0
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0.1936	0	0	0	0	0	0	0	0	0	0.7326
41.36	0.2315	0.4110	0.5653	0.6952	0.7987	0.8735	0.9175	0.9292	0.9073	0.8507	0.7705
41.79	0.2741	0.4566	0.5937	0.7128	0.8102	0.8830	0.9290	0.9467	0.9357	0.8963	0.8132
44.41	0.3002	0.4891	0.6304	0.7526	0.8520	0.9254	0.9707	0.9866	0.9724	0.9288	0.8393
47.03	0.3090	0.5000	0.6428	0.7660	0.8660	0.9397	0.9848	1.0000	0.9848	0.9397	0.8480
49.65	0.3002	0.4891	0.6304	0.7526	0.8520	0.9254	0.9707	0.9866	0.9724	0.9288	0.8393
52.27	0.2741	0.4566	0.5937	0.7128	0.8102	0.8830	0.9290	0.9467	0.9357	0.8963	0.8132
54.89	0.2315	0.4036	0.5338	0.6477	0.7420	0.8138	0.8608	0.8817	0.8758	0.8433	0.7705
57.51	0.1737	0.3316	0.4524	0.5595	0.6495	0.7196	0.7683	0.7934	0.7944	0.7713	0.7127
60.12	0.1024	0.2429	0.3521	0.4506	0.5355	0.6040	0.6542	0.6846	0.6941	0.6826	0.6414
62.74	0.0198	0.1401	0.2359	0.3245	0.4033	0.4698	0.5221	0.5585	0.5779	0.5798	0.5588
65.36	0	0.0264	0.1073	0.1850	0.2571	0.3214	0.3759	0.4190	0.4493	0.4660	0.4674
67.97	0	0	0	0.0364	0.1013	0.1632	0.2201	0.2703	0.3123	0.3448	0.3700
70.58	0	0	0	0	0	0	0.0594	0.1170	0.1710	0.2198	0.2695
73.20	0	0	0	0	0	0	0	0	0.0297	0.0948	0.1691
75.81	0	0	0	0	0	0	0	0	0	0	0.0716
78.42	0	0	0	0	0	0	0	0	0	0	0
81.02	0	0	0	0	0	0	0	0	0	0	0
83.63	0	0	0	0	0	0	0	0	0	0	0
86.24	0	0	0	0	0	0	0	0	0	0	0
88.84	0	0	0	0	0	0	0	0	0	0	0
91.45	0	0	0	0	0	0	0	0	0	0	0
94.05	0	0	0	0	0	0	0	0	0	0	0
	ORBITAL AVERAGE SOLAR FORM FACTOR										
	0.0626	0.1028	0.1332	0.1607	0.1849	0.2049	0.2220	0.2344	0.2430	0.2483	0.2530

ROW 11: INCIDENT SOLAR FORM FACTOR VS. TIME

ROW 11	INCIDENT SOLAR FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0	0	0	0	0	0	0	0	0	0	0.2079
2.61	0	0	0	0	0	0	0	0	0	0.0075	0.2139
5.21	0	0	0	0	0	0	0	0	0	0.0297	0.2318
5.54	0	0	0	0	0	0	0	0	0	0.0588	0.2609
5.59	0	0	0	0	0	0	0	0	0	0	0.2843
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0.9205
41.36	0	0	0.1206	0.2936	0.4540	0.5975	0.7200	0.8176	0.8867	0.9240	0.9464
41.79	0	0	0.1401	0.3056	0.4618	0.6040	0.7279	0.8296	0.9061	0.9551	0.9755
44.41	0	0	0.1652	0.3328	0.4904	0.6330	0.7564	0.8569	0.9312	0.9773	0.9934
47.03	0	0	0.1736	0.3420	0.5000	0.6428	0.7660	0.8660	0.9397	0.9848	0.9994
49.65	0	0	0.1652	0.3328	0.4904	0.6330	0.7564	0.8569	0.9312	0.9773	0.9934
52.27	0	0	0.1401	0.3056	0.4618	0.6040	0.7279	0.8296	0.9061	0.9551	0.9755
54.89	0	0	0.0991	0.2611	0.4152	0.5567	0.6812	0.7851	0.8651	0.9188	0.9464
57.51	0	0	0.0434	0.2007	0.3519	0.4924	0.6179	0.7247	0.8095	0.8696	0.9068
60.12	0	0	0	0.1263	0.2739	0.4132	0.5399	0.6503	0.7408	0.8089	0.8580
62.74	0	0	0	0.0400	0.1835	0.3214	0.4495	0.5640	0.6614	0.7386	0.8015
65.36	0	0	0	0	0.0835	0.2198	0.3495	0.4686	0.5734	0.6608	0.7390
67.97	0	0	0	0	0	0.1116	0.2429	0.3669	0.4797	0.5779	0.6724
70.58	0	0	0	0	0	0	0.1330	0.2620	0.3830	0.4924	0.6037
73.20	0	0	0	0	0	0	0.0231	0.1571	0.2864	0.4069	0.5349
75.81	0	0	0	0	0	0	0	0.0554	0.1926	0.3240	0.4683
78.42	0	0	0	0	0	0	0	0	0.1047	0.2462	0.4058
81.02	0	0	0	0	0	0	0	0	0.0252	0.1759	0.3493
83.63	0	0	0	0	0	0	0	0	0	0.1152	0.3005
86.24	0	0	0	0	0	0	0	0	0	0.0660	0.2609
88.84	0	0	0	0	0	0	0	0	0	0.0297	0.2318
91.45	0	0	0	0	0	0	0	0	0	0.0075	0.2139
94.05	0	0	0	0	0	0	0	0	0	0	0.2079
	ORBITAL AVERAGE SOLAR FORM FACTOR										
	0	0	0.0258	0.0610	0.0996	0.1402	0.1826	0.2261	0.2716	0.3257	0.4256

ROW 12: INCIDENT SOLAR FORM FACTOR VS. TIME

ROW 12	INCIDENT SOLAR FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0	0	0	0	0	0	0	0.1736	0.3420	0.5000	0.6691
2.61	0	0	0	0	0	0	0.0026	0.1761	0.3443	0.5020	0.6708
5.21	0	0	0	0	0	0	0.0103	0.1835	0.3511	0.5080	0.6756
5.54	0	0	0	0	0	0	0.0120	0.1863	0.3559	0.5159	0.6835
5.59	0	0	0	0	0	0	0	0	0	0	0.6898
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0.8616
41.36	0	0	0	0	0	0.1614	0.3296	0.4869	0.6285	0.7496	0.8686
41.79	0	0	0	0	0	0.1632	0.3317	0.4902	0.6337	0.7560	0.8765
44.41	0	0	0	0	0	0.1710	0.3394	0.4975	0.6405	0.7640	0.8813
47.03	0	0	0	0	0	0.1736	0.3420	0.5000	0.6428	0.7660	0.8829
49.65	0	0	0	0	0	0.1710	0.3394	0.4975	0.6405	0.7640	0.8813
52.27	0	0	0	0	0	0.1632	0.3317	0.4902	0.6337	0.7560	0.8765
54.89	0	0	0	0	0	0.1504	0.3191	0.4781	0.6226	0.7482	0.8686
57.51	0	0	0	0	0	0.1330	0.3020	0.4618	0.6076	0.7349	0.8579
60.12	0	0	0	0	0	0.1116	0.2809	0.4417	0.5891	0.7185	0.8448
62.74	0	0	0	0	0	0.0868	0.2565	0.4184	0.5676	0.6995	0.8295
65.36	0	0	0	0	0	0.0594	0.2295	0.3926	0.5436	0.6785	0.8126
67.97	0	0	0	0	0	0.0302	0.2007	0.3652	0.5185	0.6561	0.7946
70.58	0	0	0	0	0	0	0.1710	0.3368	0.4924	0.6330	0.7760
73.20	0	0	0	0	0	0	0.1413	0.3085	0.4663	0.6099	0.7575
75.81	0	0	0	0	0	0	0.1125	0.2810	0.4410	0.5875	0.7395
78.42	0	0	0	0	0	0	0.0855	0.2552	0.4172	0.5665	0.7226
81.02	0	0	0	0	0	0	0.0611	0.2319	0.3957	0.5475	0.7073
83.63	0	0	0	0	0	0	0.0400	0.2118	0.3772	0.5311	0.6941
86.24	0	0	0	0	0	0	0.0229	0.1955	0.3622	0.5178	0.6835
88.84	0	0	0	0	0	0	0.0103	0.1835	0.3511	0.5080	0.6756
91.45	0	0	0	0	0	0	0.0026	0.1761	0.3443	0.5020	0.6708
94.05	0	0	0	0	0	0	0.0000	0.1736	0.3420	0.5000	0.6691
	ORBITAL AVERAGE SOLAR FORM FACTOR										
	0	0	0	0	0	0.0379	0.1067	0.2118	0.3152	0.4175	0.5461

EARTH END: INCIDENT SOLAR FORM FACTOR VS. TIME

EARTH	INCIDENT SOLAR FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0	0	0	0	0	0	0	0	0	0	0
2.61	0.1069	0.1330	0.1504	0.1632	0.1710	0.1736	0.1710	0.1632	0.1504	0.1330	0.1069
5.21	0.2106	0.2620	0.2962	0.3214	0.3368	0.3420	0.3368	0.3214	0.2962	0.2620	0.2106
5.54	0.3078	0.3631	0.3628	0.3626	0.3625	0.3625	0.3625	0.3626	0.3628	0.3631	0.3078
5.59	0.3637	0	0	0	0	0	0	0	0	0	0.3637
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0.3690	0	0	0	0	0	0	0	0	0	0.3690
41.36	0.3078	0.3689	0.3688	0.3687	0.3686	0.3686	0.3686	0.3687	0.3688	0.3689	0.3078
41.79	0.2106	0.2620	0.2962	0.3214	0.3368	0.3420	0.3368	0.3214	0.2962	0.2620	0.2106
44.41	0.1069	0.1330	0.1504	0.1632	0.1710	0.1736	0.1710	0.1632	0.1504	0.1330	0.1069
47.03	0	0	0	0	0	0	0	0	0	0	0
49.65	0	0	0	0	0	0	0	0	0	0	0
52.27	0	0	0	0	0	0	0	0	0	0	0
54.89	0	0	0	0	0	0	0	0	0	0	0
57.51	0	0	0	0	0	0	0	0	0	0	0
60.12	0	0	0	0	0	0	0	0	0	0	0
62.74	0	0	0	0	0	0	0	0	0	0	0
65.36	0	0	0	0	0	0	0	0	0	0	0
67.97	0	0	0	0	0	0	0	0	0	0	0
70.58	0	0	0	0	0	0	0	0	0	0	0
73.20	0	0	0	0	0	0	0	0	0	0	0
75.81	0	0	0	0	0	0	0	0	0	0	0
78.42	0	0	0	0	0	0	0	0	0	0	0
81.02	0	0	0	0	0	0	0	0	0	0	0
83.63	0	0	0	0	0	0	0	0	0	0	0
86.24	0	0	0	0	0	0	0	0	0	0	0
88.84	0	0	0	0	0	0	0	0	0	0	0
91.45	0	0	0	0	0	0	0	0	0	0	0
94.05	0	0	0	0	0	0	0	0	0	0	0
	ORBITAL AVERAGE SOLAR FORM FACTOR										
	0.0386	0.0298	0.0260	0.0237	0.0226	0.0222	0.0226	0.0237	0.026	0.0298	0.0386

SPACE END: INCIDENT SOLAR FORM FACTOR VS. TIME

SPACE	INCIDENT SOLAR FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0	0	0	0	0	0	0	0	0	0	0
2.61	0	0	0	0	0	0	0	0	0	0	0
5.21	0	0	0	0	0	0	0	0	0	0	0
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0	0	0	0	0	0	0	0	0	0	0
44.41	0	0	0	0	0	0	0	0	0	0	0
47.03	0	0	0	0	0	0	0	0	0	0	0
49.65	0.1069	0.1330	0.1504	0.1632	0.1710	0.1736	0.1710	0.1632	0.1504	0.1330	0.1069
52.27	0.2106	0.2620	0.2962	0.3214	0.3368	0.3420	0.3368	0.3214	0.2962	0.2620	0.2106
54.89	0.3078	0.3830	0.4330	0.4698	0.4924	0.5000	0.4924	0.4698	0.4330	0.3830	0.3078
57.51	0.3957	0.4924	0.5567	0.6040	0.6330	0.6428	0.6330	0.6040	0.5567	0.4924	0.3957
60.12	0.4716	0.5868	0.6634	0.7198	0.7544	0.7660	0.7544	0.7198	0.6634	0.5868	0.4716
62.74	0.5332	0.6634	0.7500	0.8138	0.8529	0.8660	0.8529	0.8138	0.7500	0.6634	0.5332
65.36	0.5785	0.7198	0.8138	0.8830	0.9254	0.9397	0.9254	0.8830	0.8138	0.7198	0.5785
67.97	0.6063	0.7544	0.8529	0.9254	0.9698	0.9848	0.9698	0.9254	0.8529	0.7544	0.6063
70.58	0.6157	0.7660	0.8660	0.9397	0.9848	1.0000	0.9848	0.9397	0.8660	0.7660	0.6157
73.20	0.6063	0.7544	0.8529	0.9254	0.9698	0.9848	0.9698	0.9254	0.8529	0.7544	0.6063
75.81	0.5785	0.7198	0.8138	0.8830	0.9254	0.9397	0.9254	0.8830	0.8138	0.7198	0.5785
78.42	0.5332	0.6634	0.7500	0.8138	0.8529	0.8660	0.8529	0.8138	0.7500	0.6634	0.5332
81.02	0.4716	0.5868	0.6634	0.7198	0.7544	0.7660	0.7544	0.7198	0.6634	0.5868	0.4716
83.63	0.3957	0.4924	0.5567	0.6040	0.6330	0.6428	0.6330	0.6040	0.5567	0.4924	0.3957
86.24	0.3078	0.3830	0.4330	0.4698	0.4924	0.5000	0.4924	0.4698	0.4330	0.3830	0.3078
88.84	0.2106	0.2620	0.2962	0.3214	0.3368	0.3420	0.3368	0.3214	0.2962	0.2620	0.2106
91.45	0.1069	0.1330	0.1504	0.1632	0.1710	0.1736	0.1710	0.1632	0.1504	0.1330	0.1069
94.05	0	0	0	0	0	0	0	0	0	0	0
	ORBITAL AVERAGE SOLAR FORM FACTOR										
	0.1955	0.2432	0.275	0.2984	0.3127	0.3175	0.3127	0.2984	0.2750	0.2432	0.1955

LONG DURATION EXPOSURE FACILITY

AVERAGE INCIDENT SOLAR VIEW FACTORS

LOC	BETA ANGLE										
	-52	-40	-30	-20	-10	0	10	20	30	40	52
ROW 1	0	0	0	0	.0290	.0739	.1301	.2011	.2997	.3975	.5203
ROW 2	0	.0261	.0597	.0951	.1306	.1655	.1997	.2326	.2644	.2973	.3550
ROW 3	.1077	.1412	.1654	.1856	.2014	.2127	.2201	.2227	.2207	.2144	.2035
ROW 4	.2506	.2460	.2407	.2322	.2199	.2030	.1831	.1591	.1318	.1017	.0619
ROW 5	.4236	.3234	.2694	.2242	.1810	.1388	.0986	.0603	.0255	.0000	.0000
ROW 6	.5456	.4169	.3145	.2111	.1059	.0375	0	0	0	0	0
ROW 7	.5214	.3987	.3011	.2024	.1312	.0746	.0294	0	0	0	0
ROW 8	.3575	.2998	.2667	.2347	.2016	.1670	.1319	.0961	.0604	.0264	0
ROW 9	.2056	.2166	.2228	.2248	.2222	.2148	.2034	.1874	.1671	.1427	.1089
ROW 10	.0626	.1028	.1332	.1607	.1849	.2049	.2220	.2344	.2430	.2483	.2530
ROW 11	0	0	.0258	.0610	.0996	.1402	.1826	.2261	.2716	.3257	.4256
ROW 12	0	0	0	0	0	.0379	.1067	.2118	.3152	.4175	.5461
EARTH	.0386	.0298	.0260	.0237	.0226	.0222	.0226	.0237	.0260	.0298	.0386
SPACE	.1955	.2432	.2750	.2984	.3127	.3175	.3127	.2984	.2750	.2432	.1955

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LONG DURATION EXPOSURE FACILITY
SOLAR ILLUMINATION DATA PACKAGE

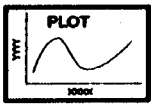
SOLAR ILLUMINATION FORM FACTORS
> ALBEDO

FORM FACTORS @ 10° YAW (ALL ROWS/ENDS)

ONE ORBIT DETAILED

- 10° BETA ANGLE INTERVALS

(-52°,-40°,-30°,-20°,-10°,0°,10°,20°,30°,40°,52°)



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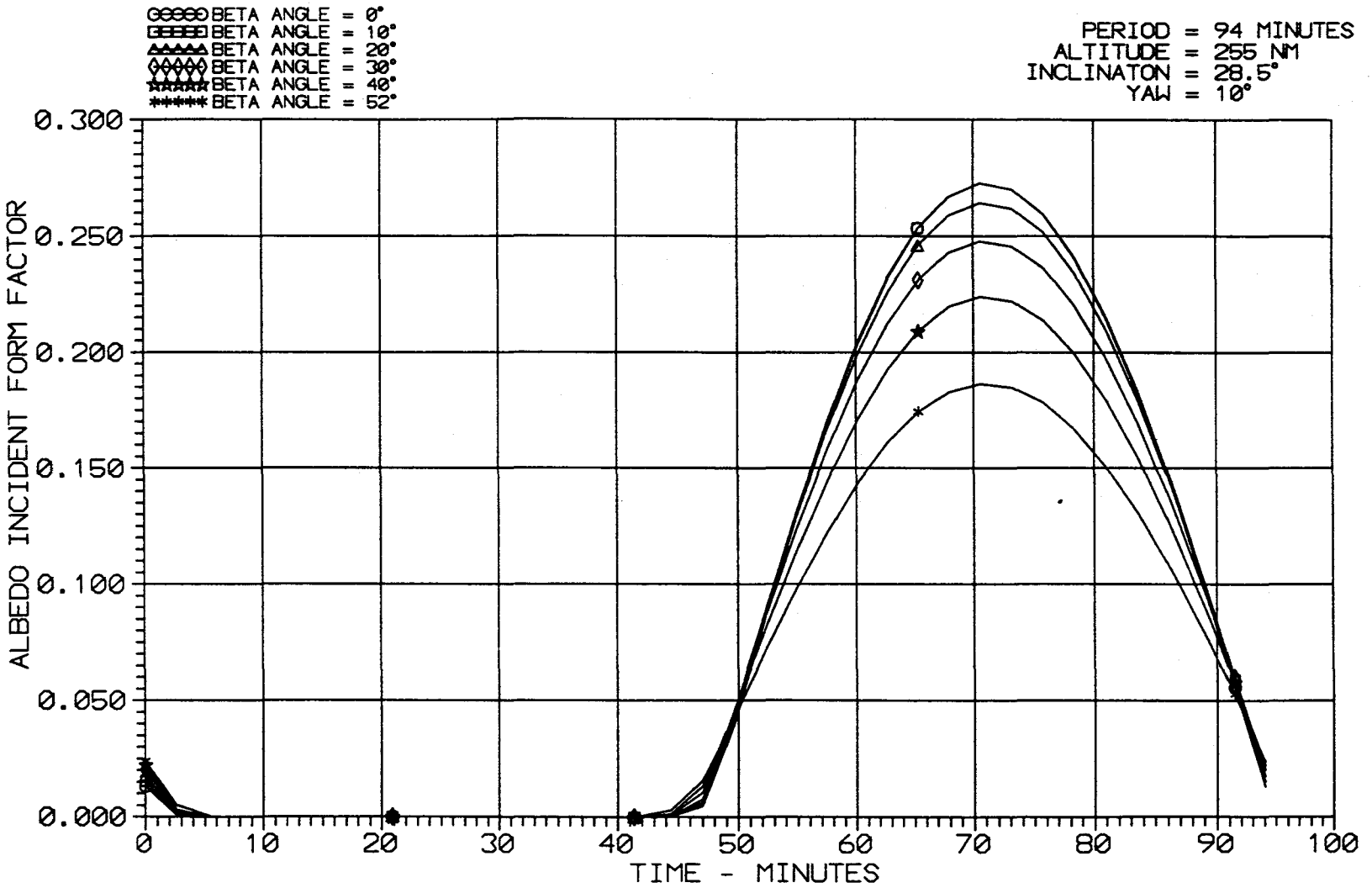
LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR POSITIVE BETA ANGLES

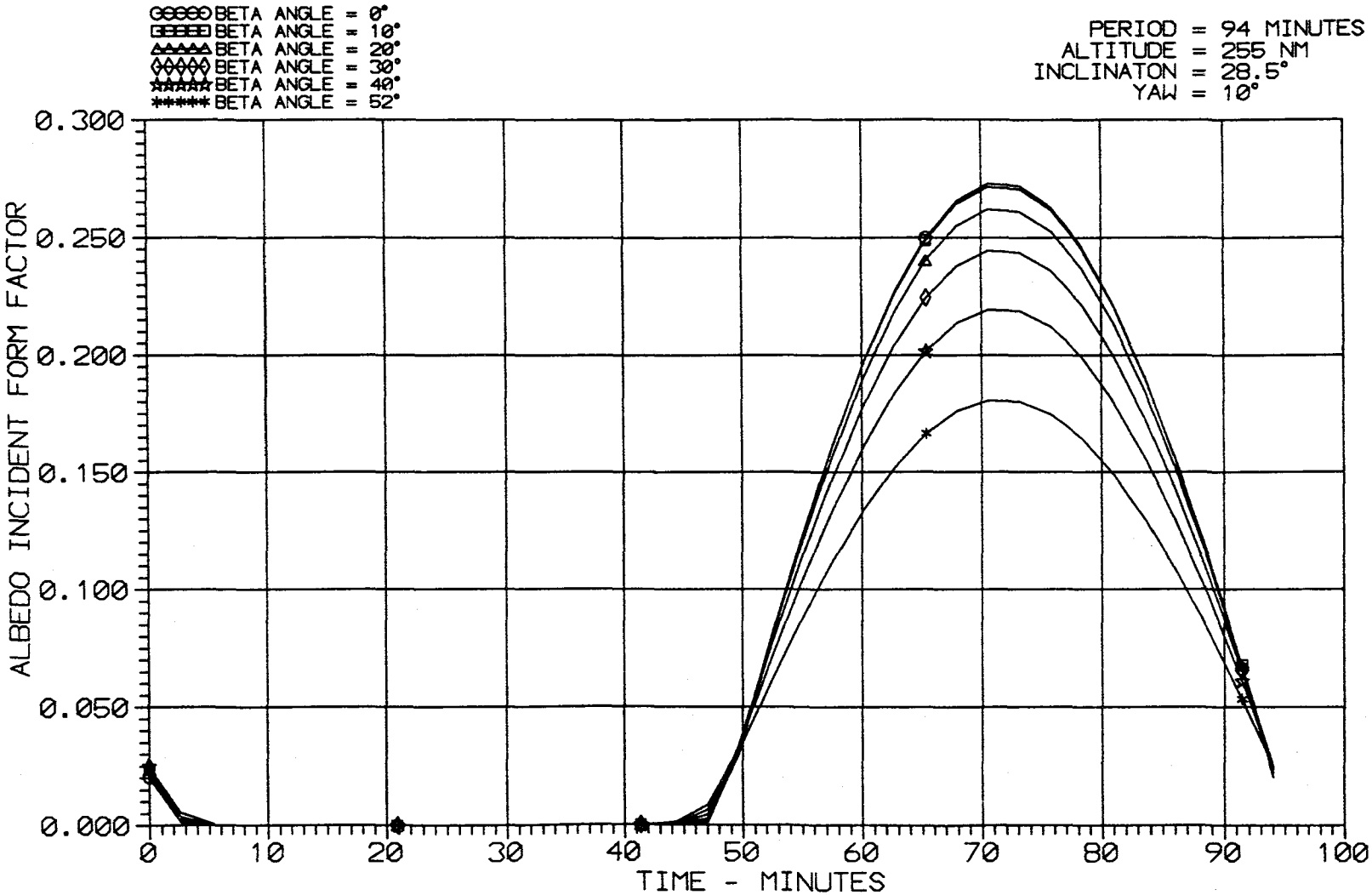
ROW: 1



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR POSITIVE BETA ANGLES

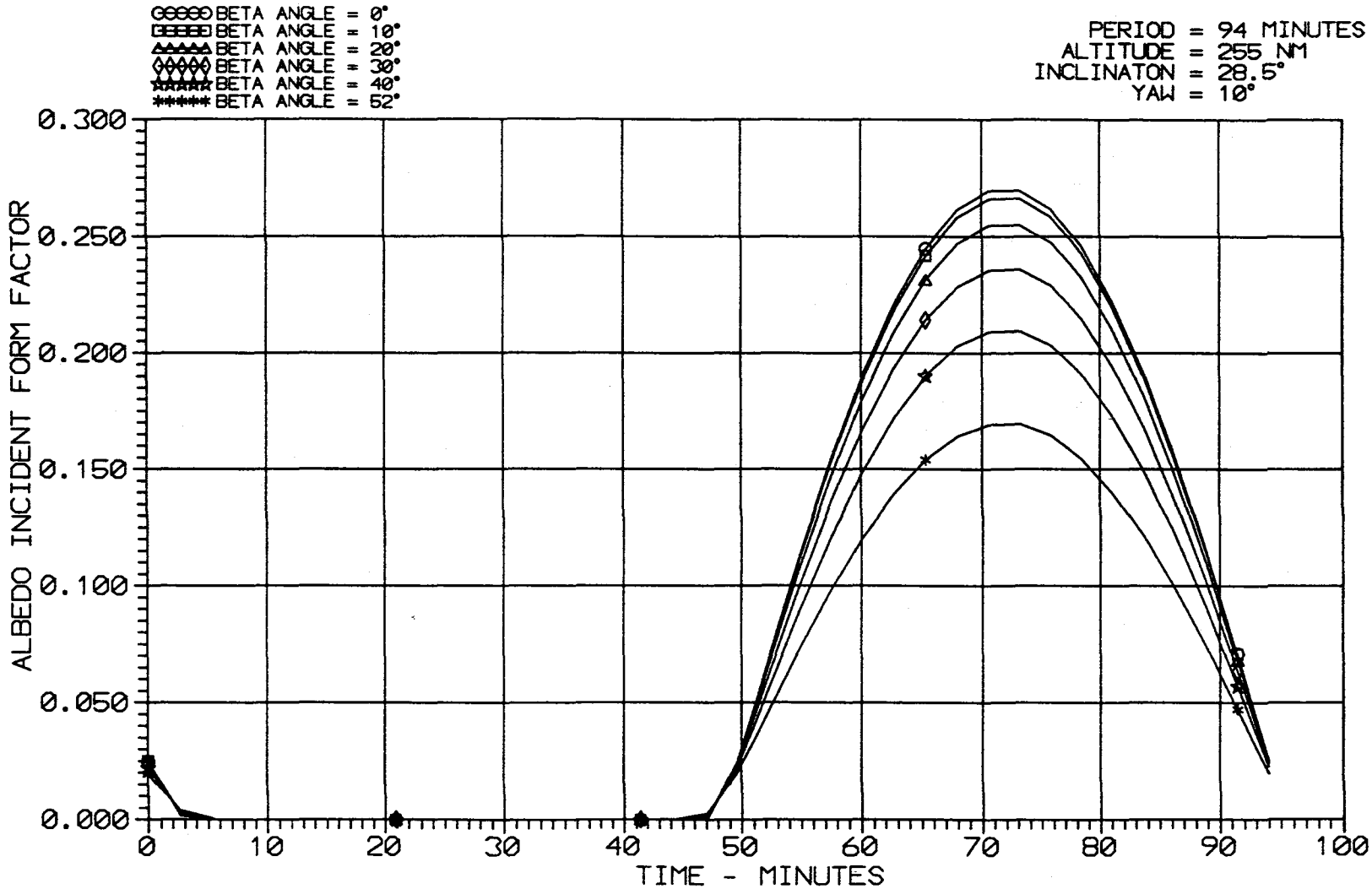
ROW: 2



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR POSITIVE BETA ANGLES

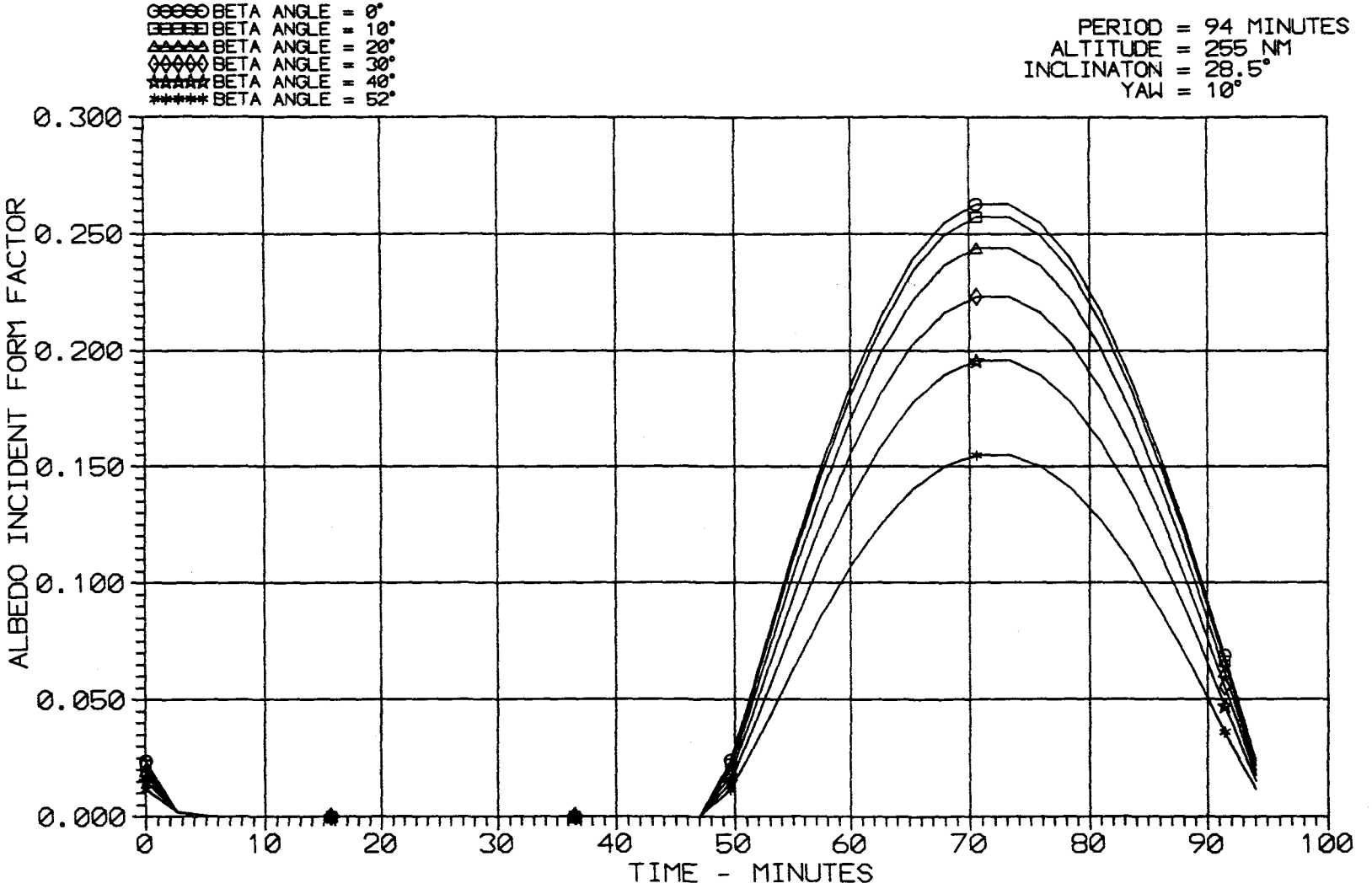
ROW: 3



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR POSITIVE BETA ANGLES

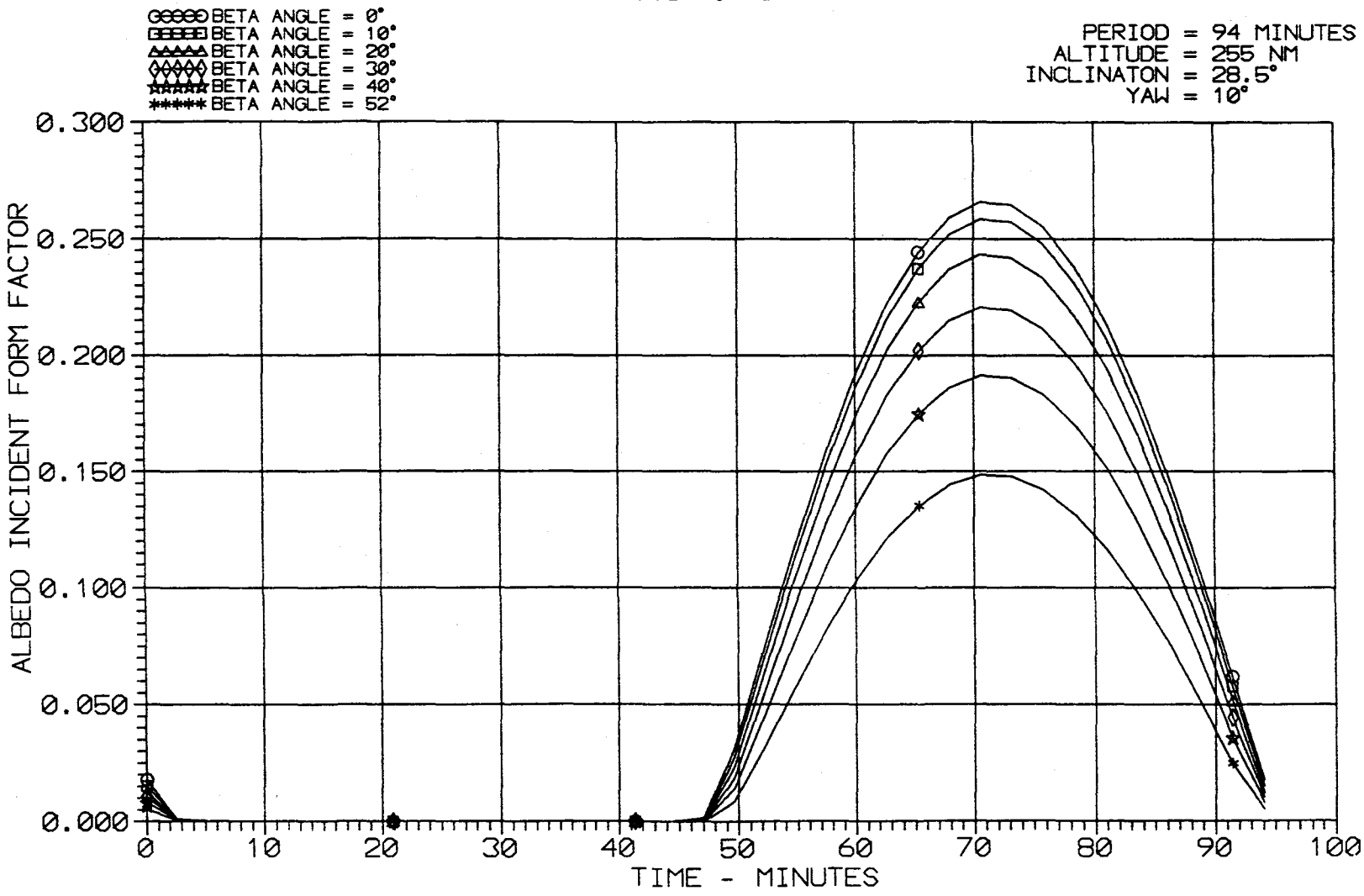
ROW: 4



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR POSITIVE BETA ANGLES

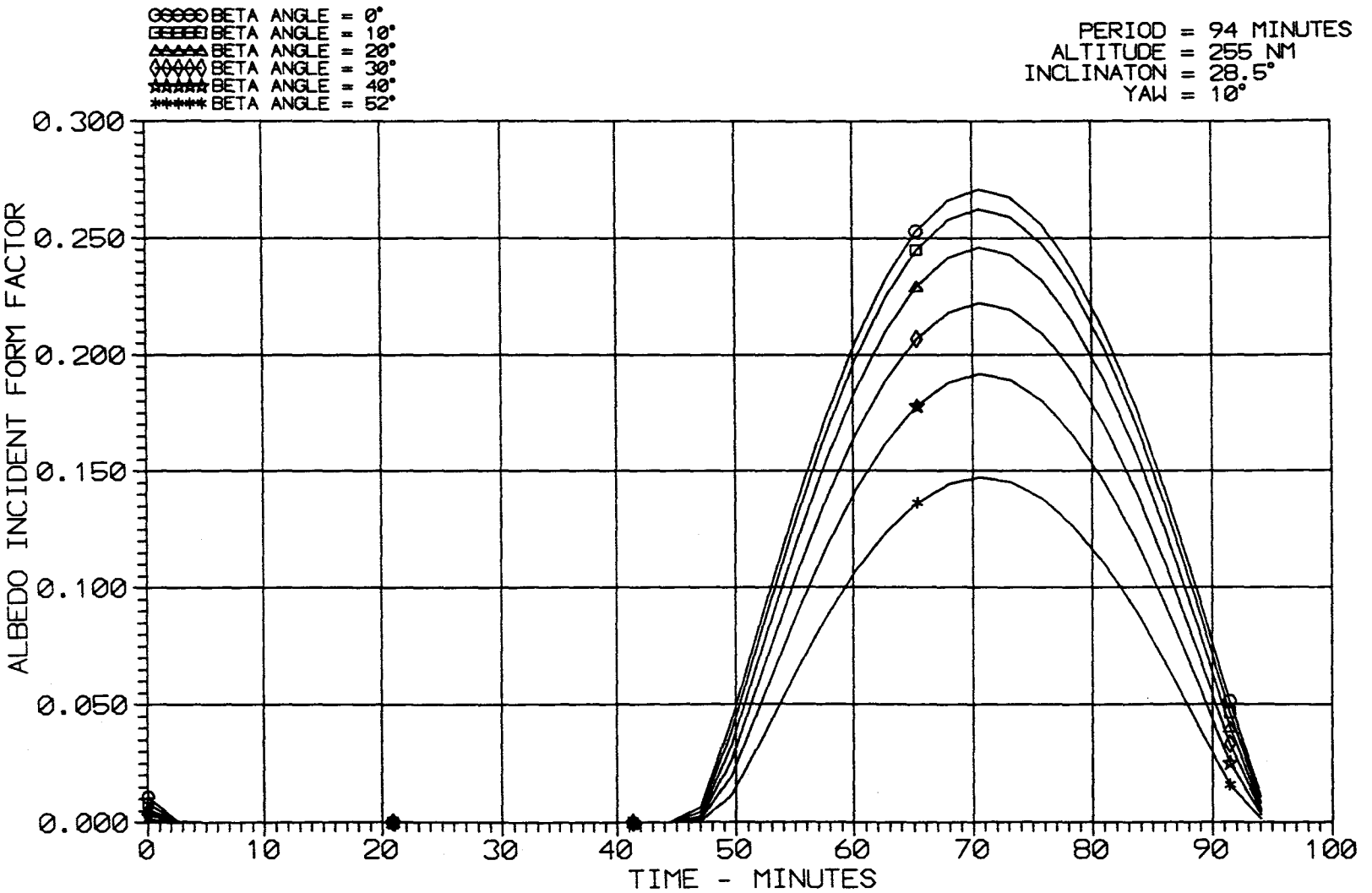
ROW: 5



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR POSITIVE BETA ANGLES

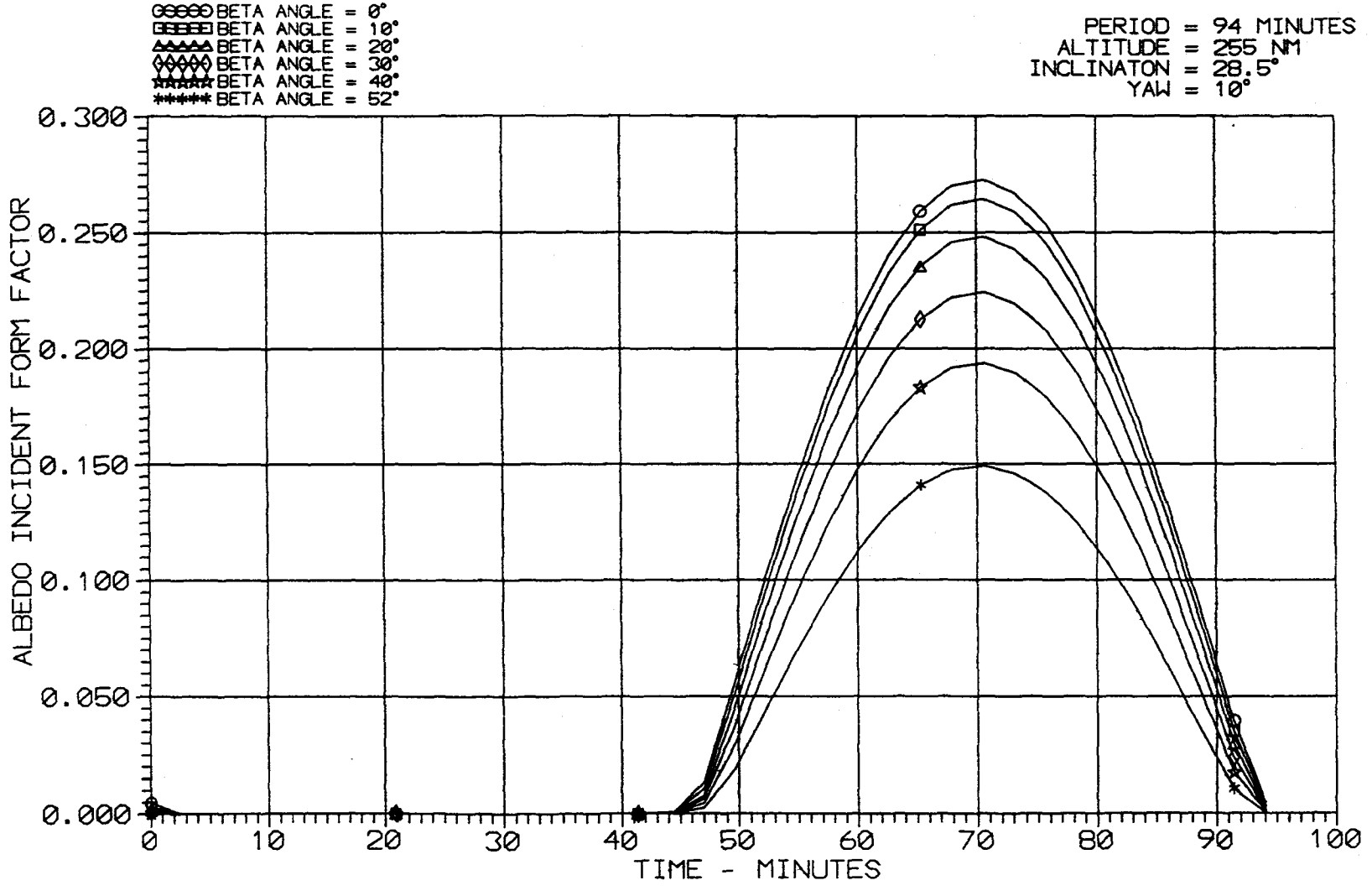
ROW: 6



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR POSITIVE BETA ANGLES

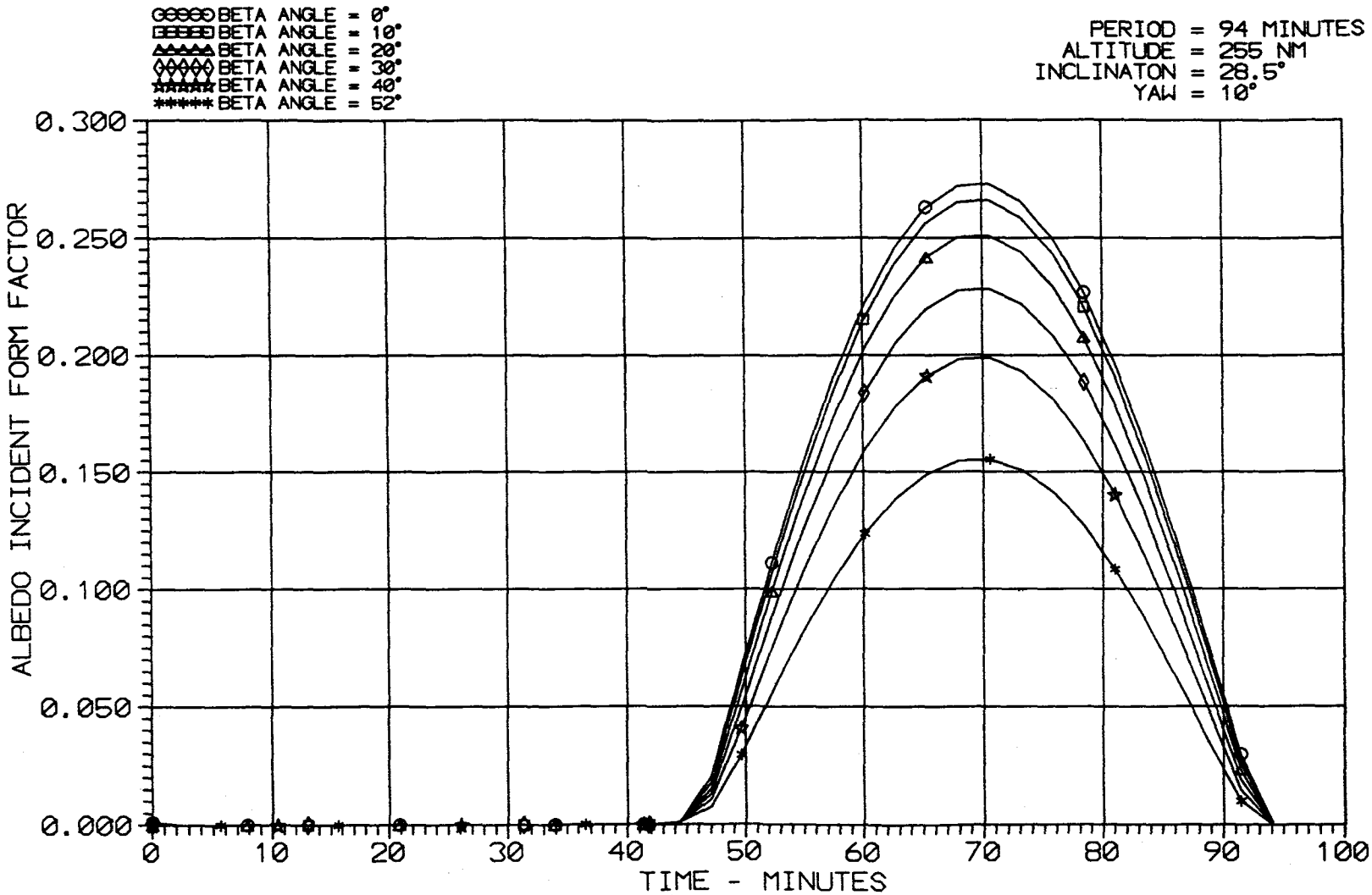
ROW: 7



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR POSITIVE BETA ANGLES

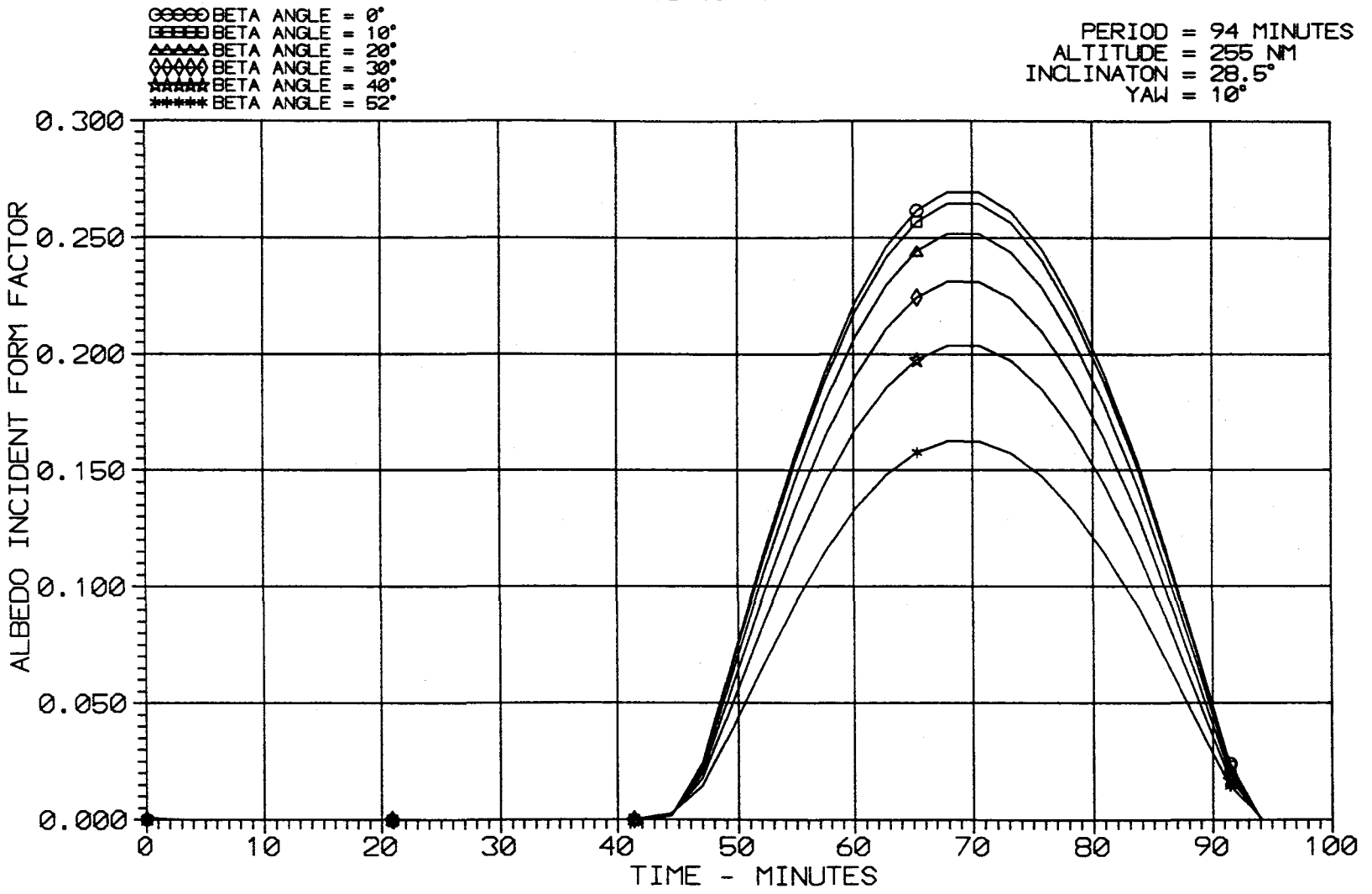
ROW: 8



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR POSITIVE BETA ANGLES

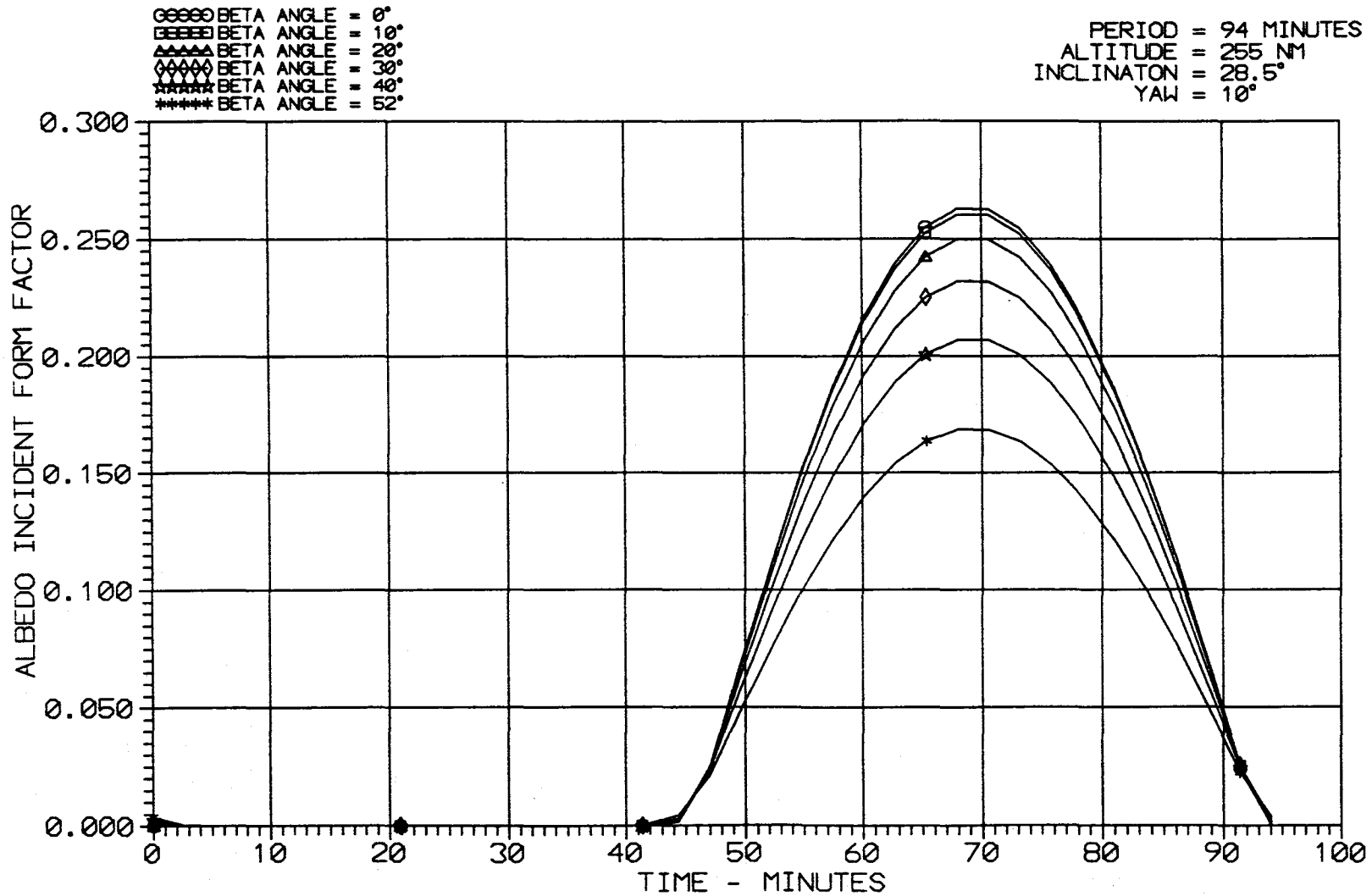
ROW: 9



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR POSITIVE BETA ANGLES

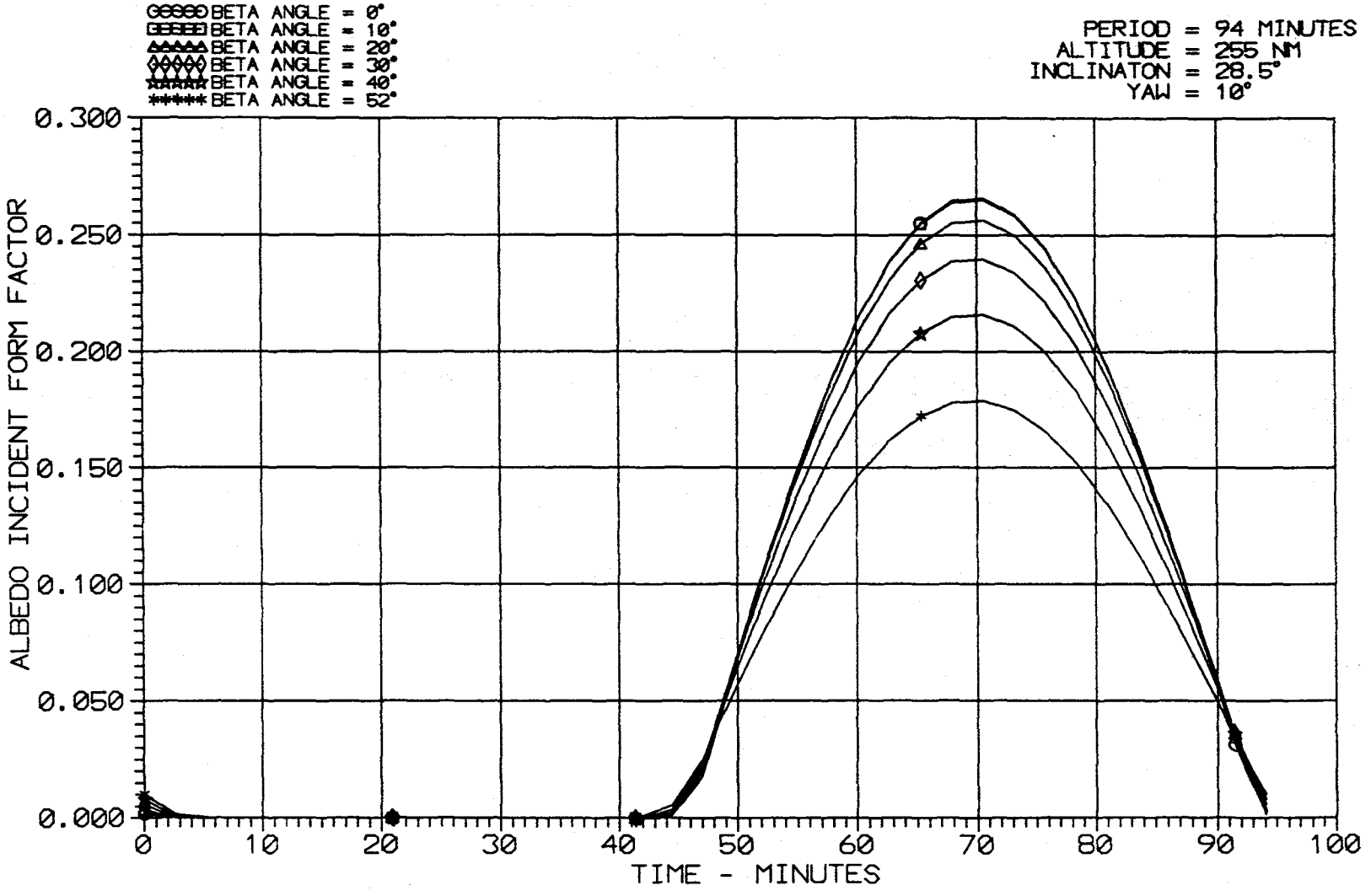
ROW: 10



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR POSITIVE BETA ANGLES

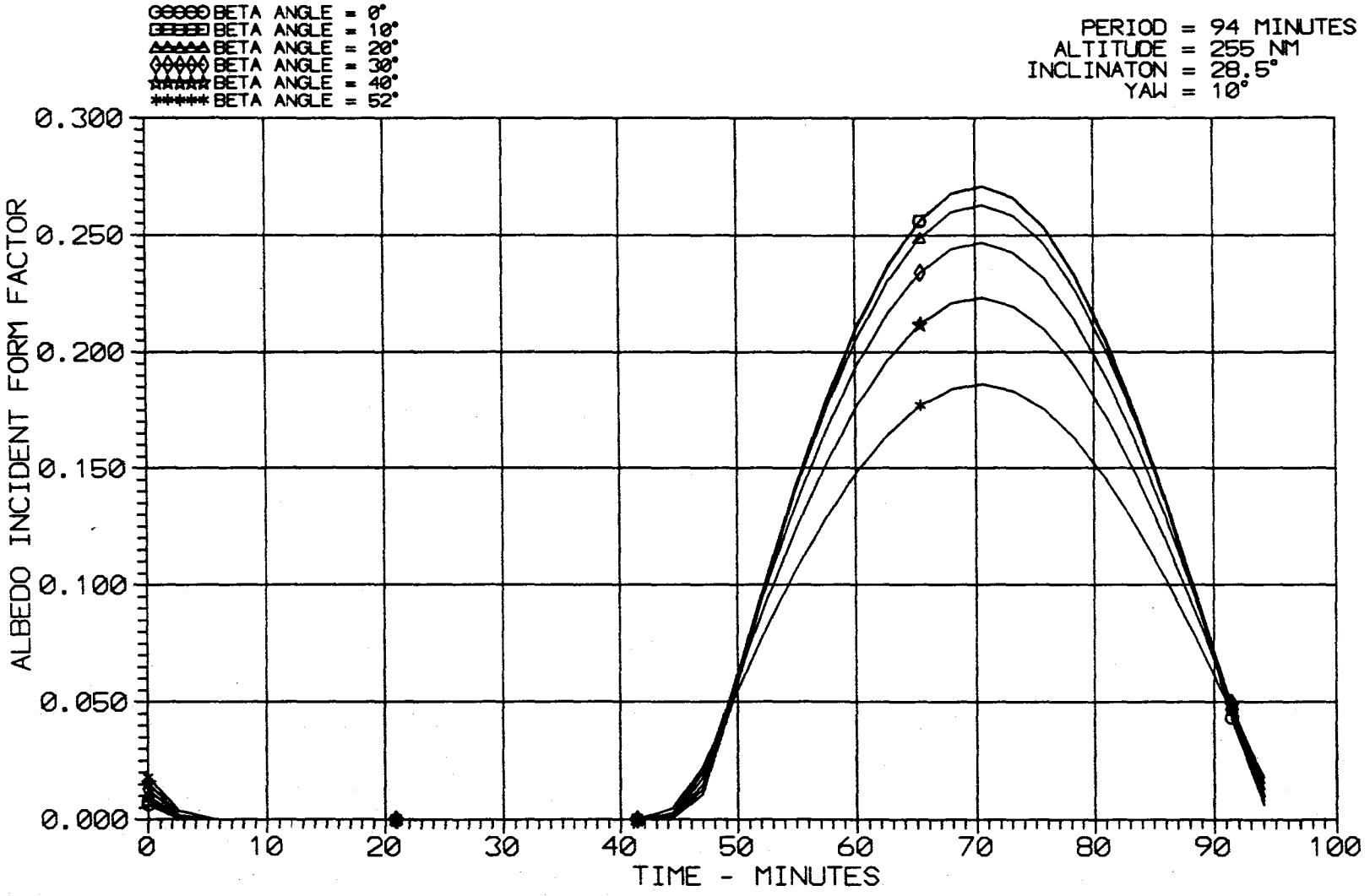
ROW: 11



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR POSITIVE BETA ANGLES

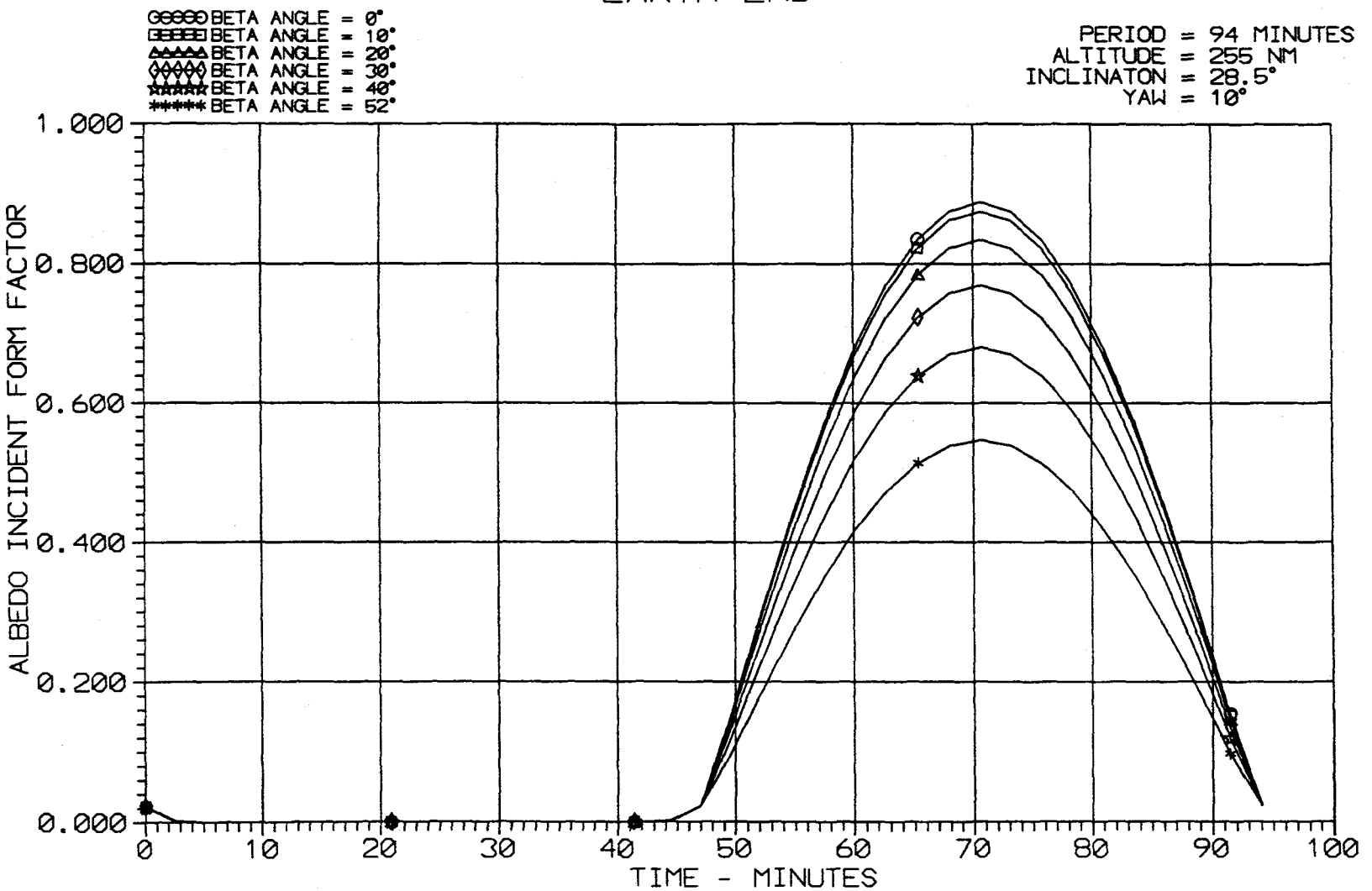
ROW: 12



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR POSITIVE BETA ANGLES

EARTH END



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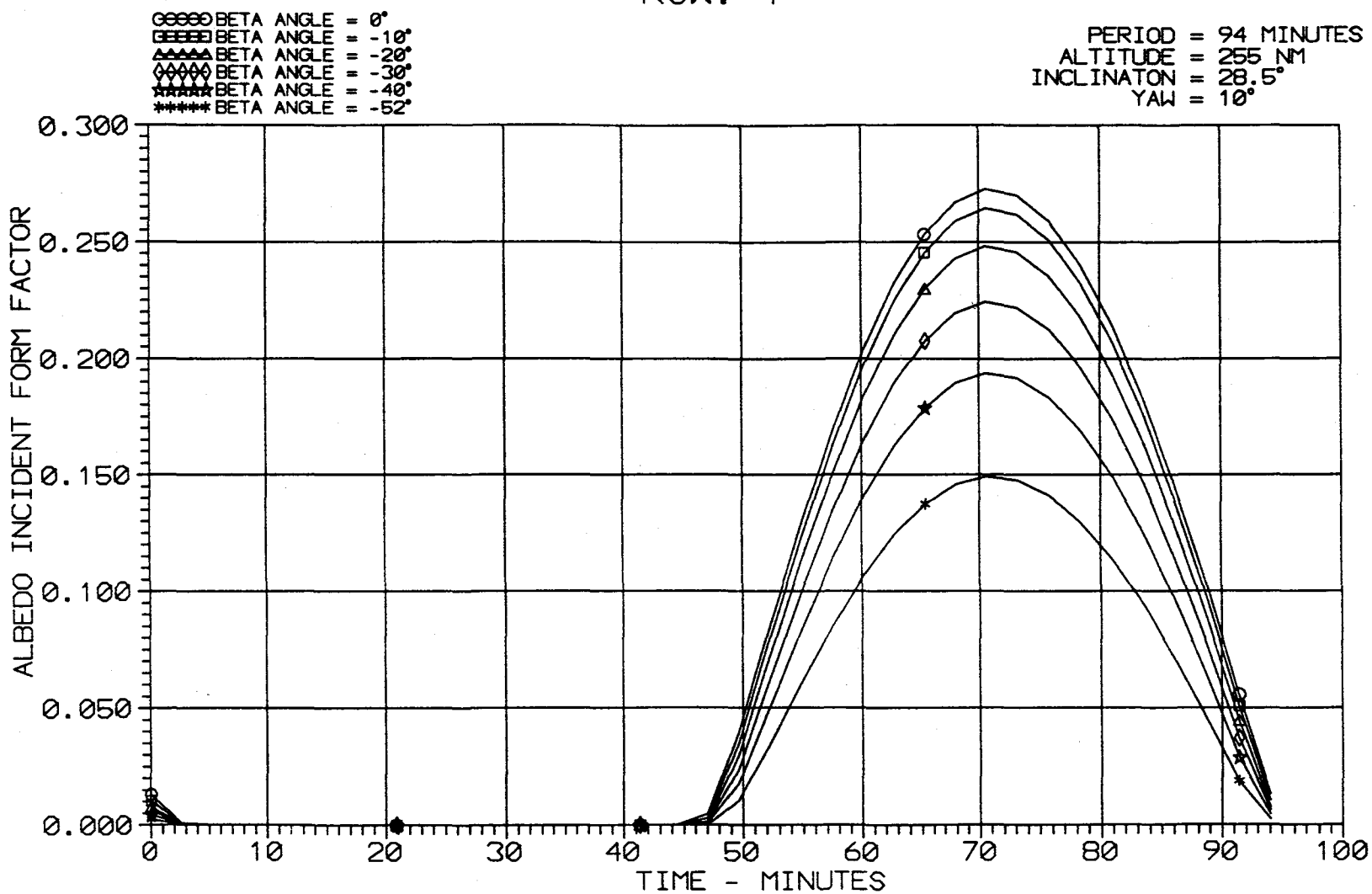
LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR NEGATIVE BETA ANGLES

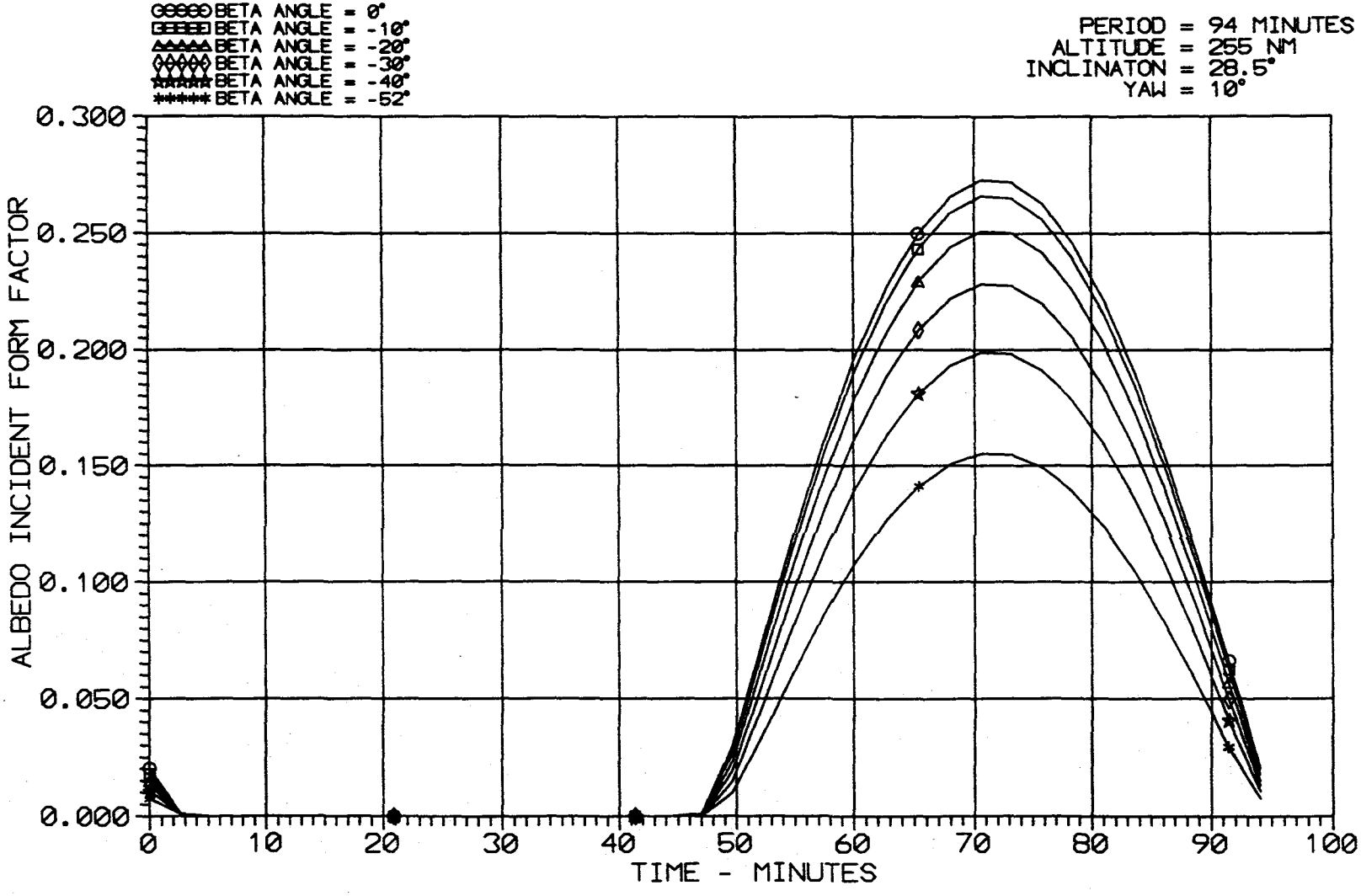
ROW: 1



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR NEGATIVE BETA ANGLES

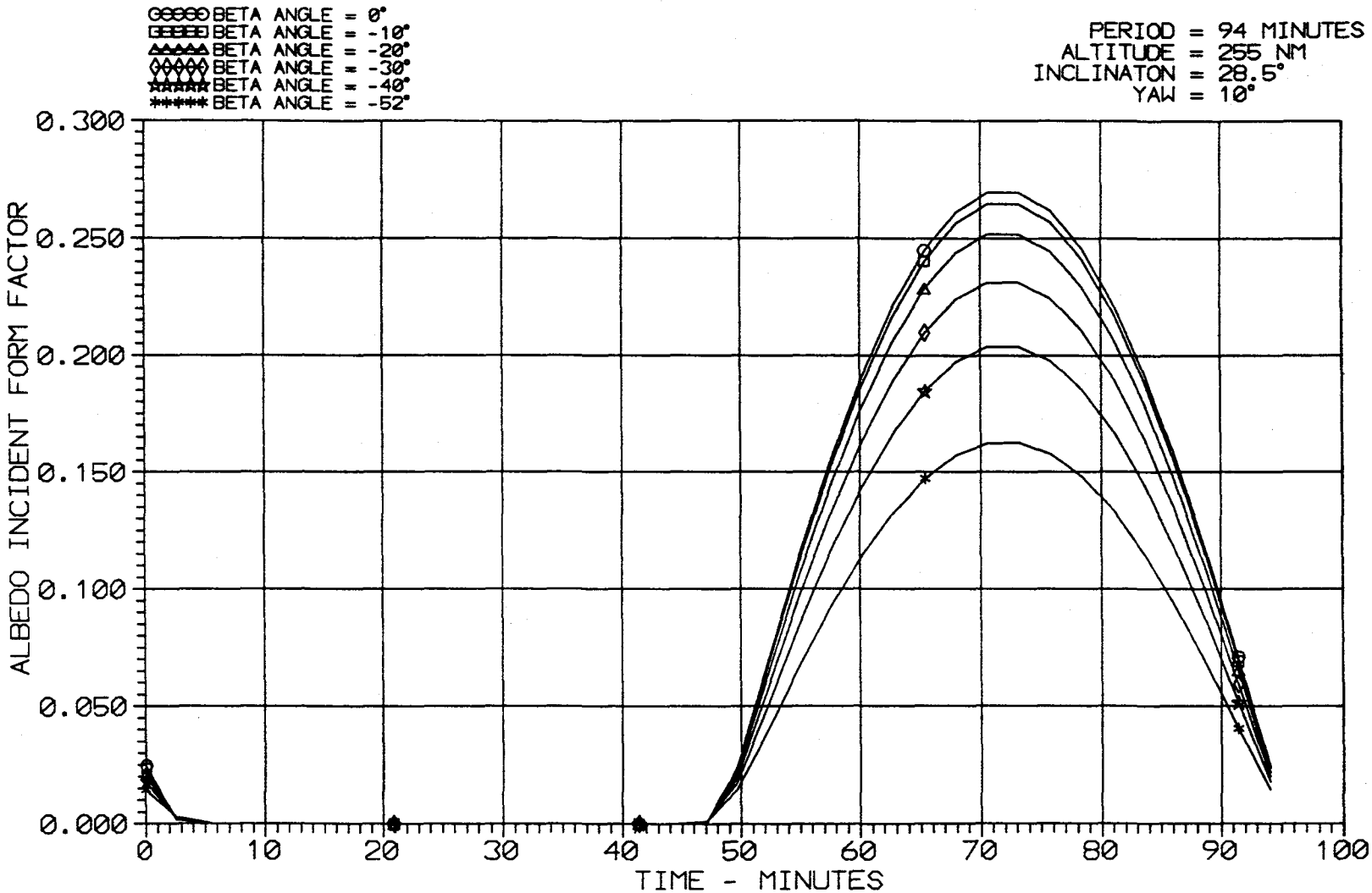
ROW: 2



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR NEGATIVE BETA ANGLES

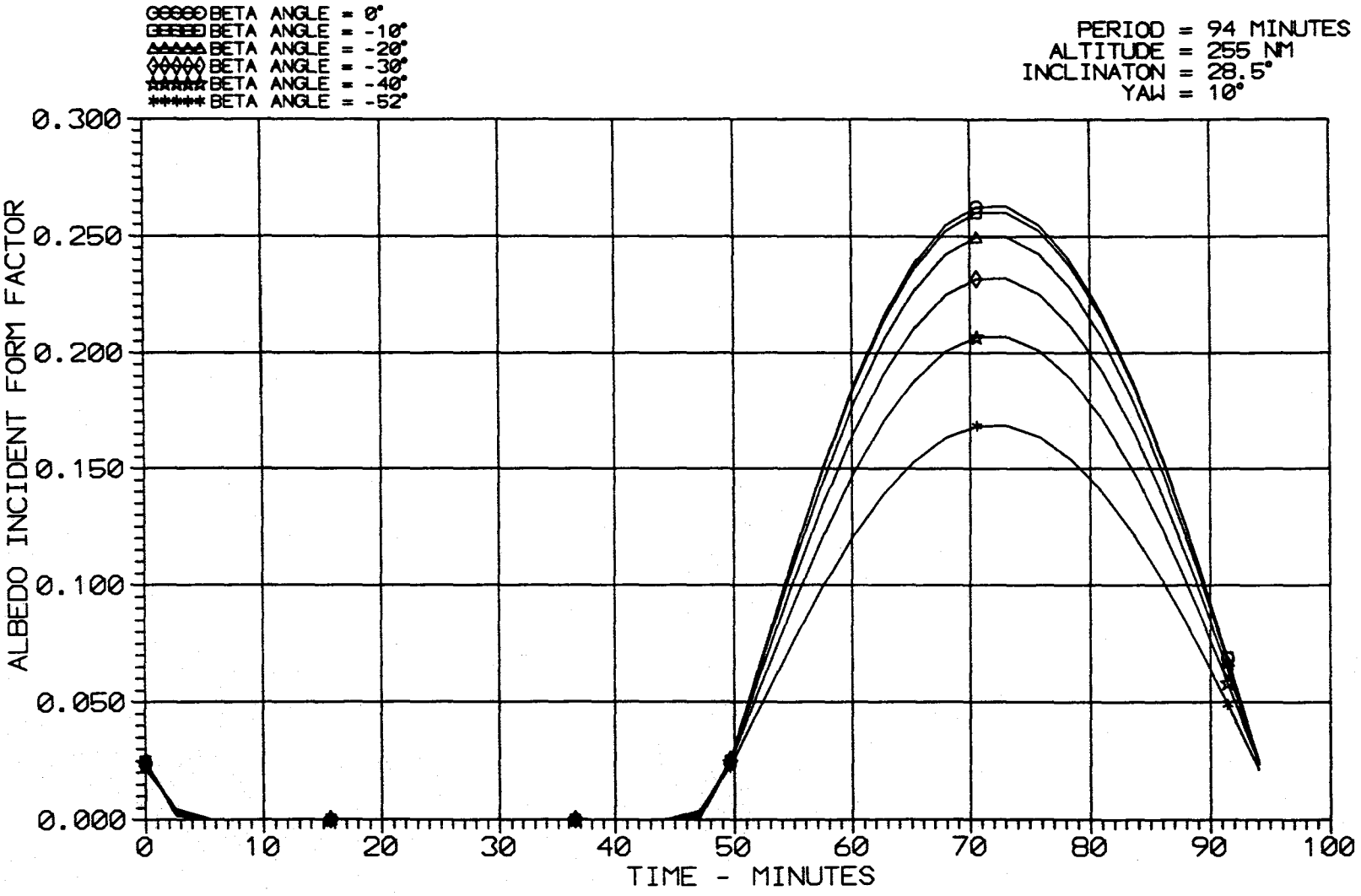
ROW: 3



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR NEGATIVE BETA ANGLES

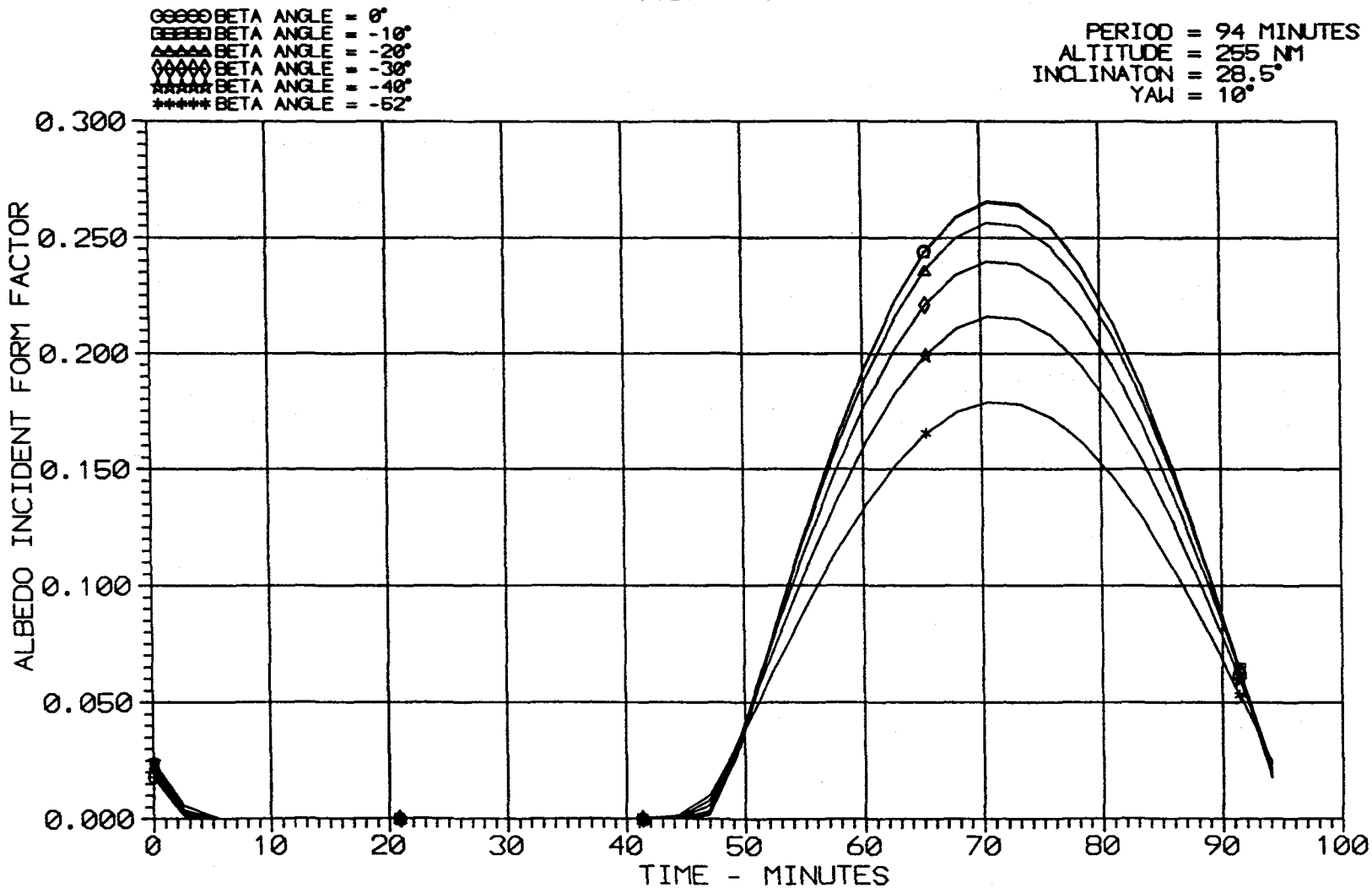
ROW: 4



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR NEGATIVE BETA ANGLES

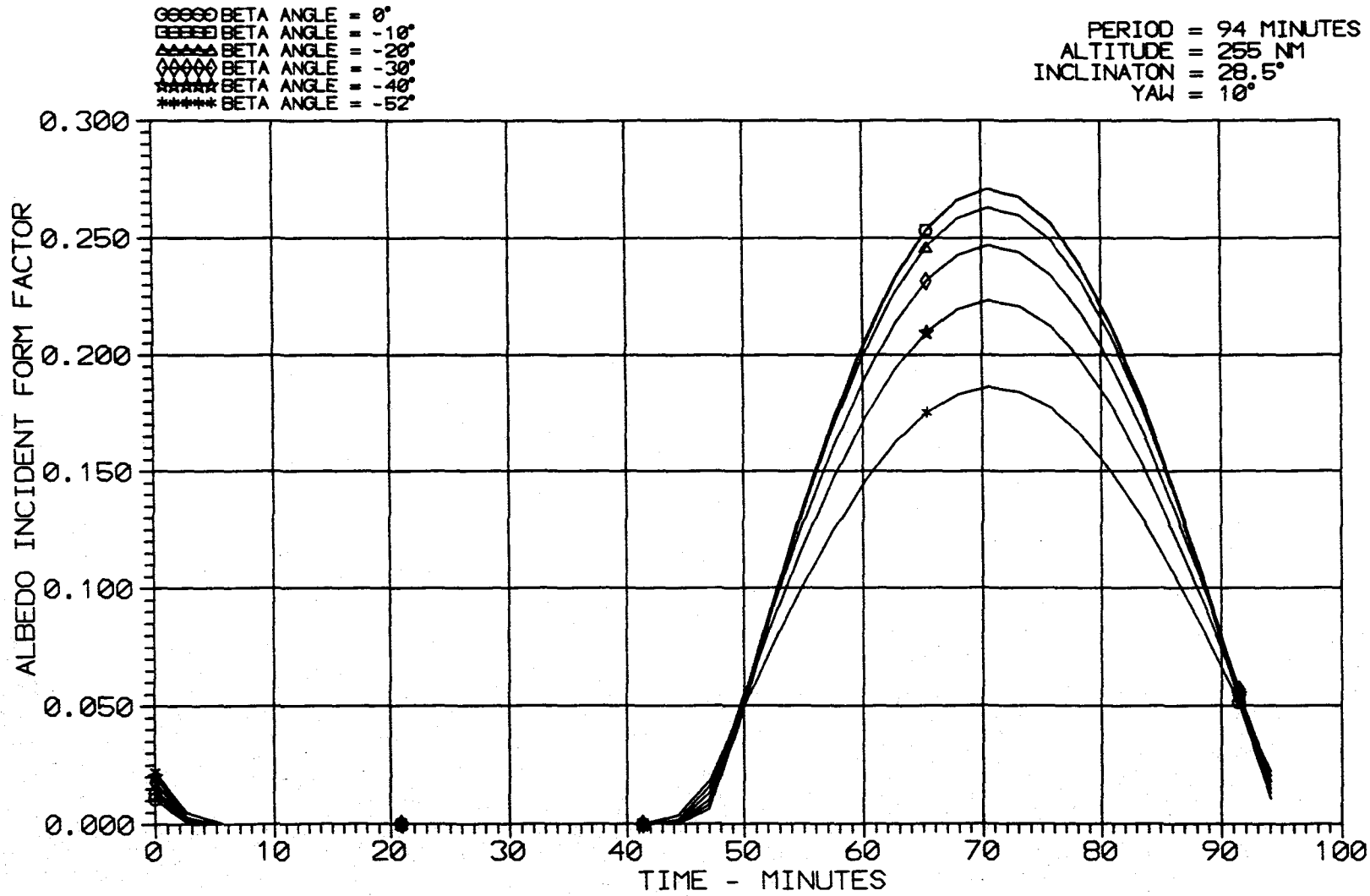
ROW: 5



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR NEGATIVE BETA ANGLES

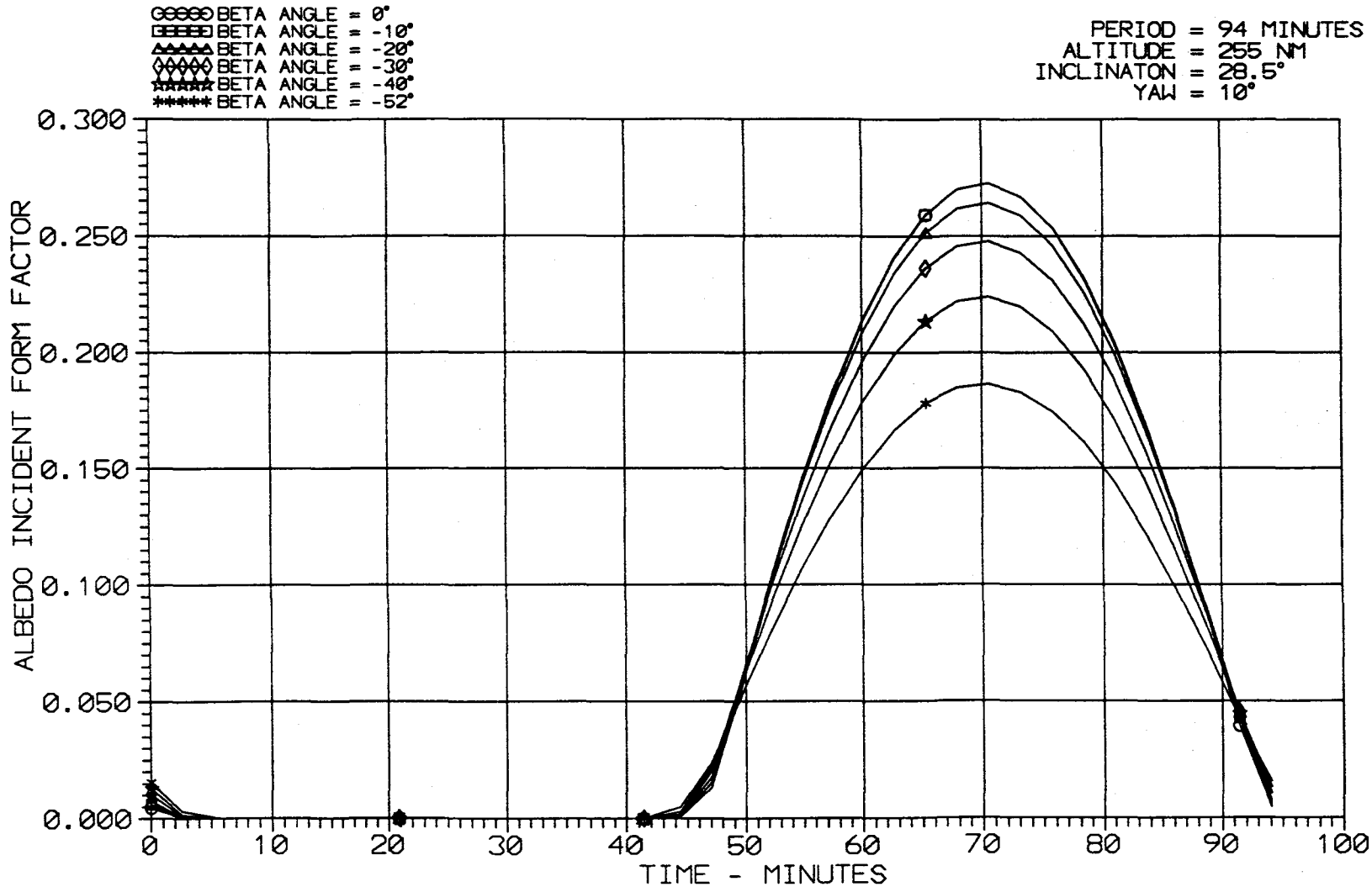
ROW: 6



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR NEGATIVE BETA ANGLES

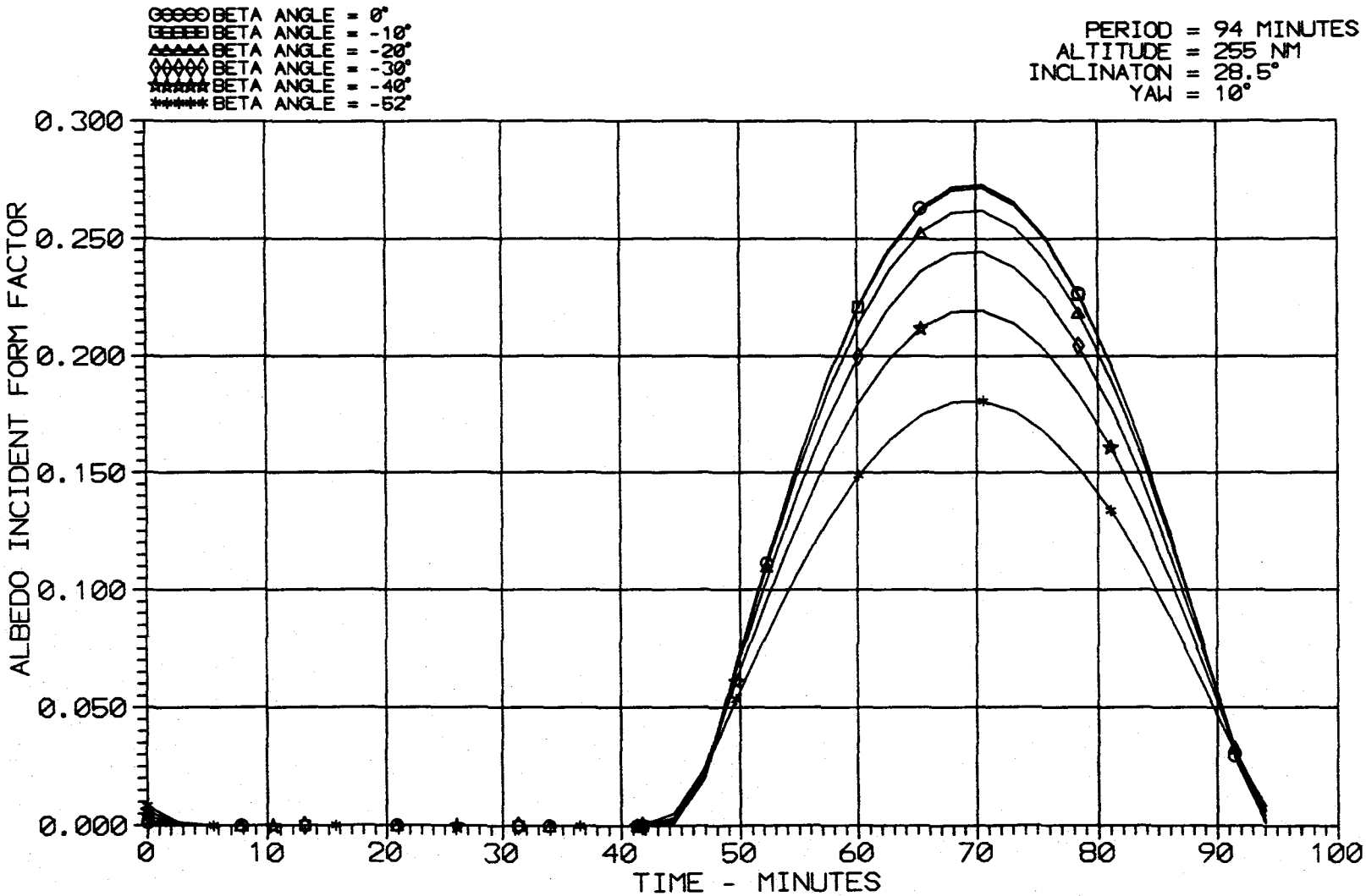
ROW: 7



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR NEGATIVE BETA ANGLES

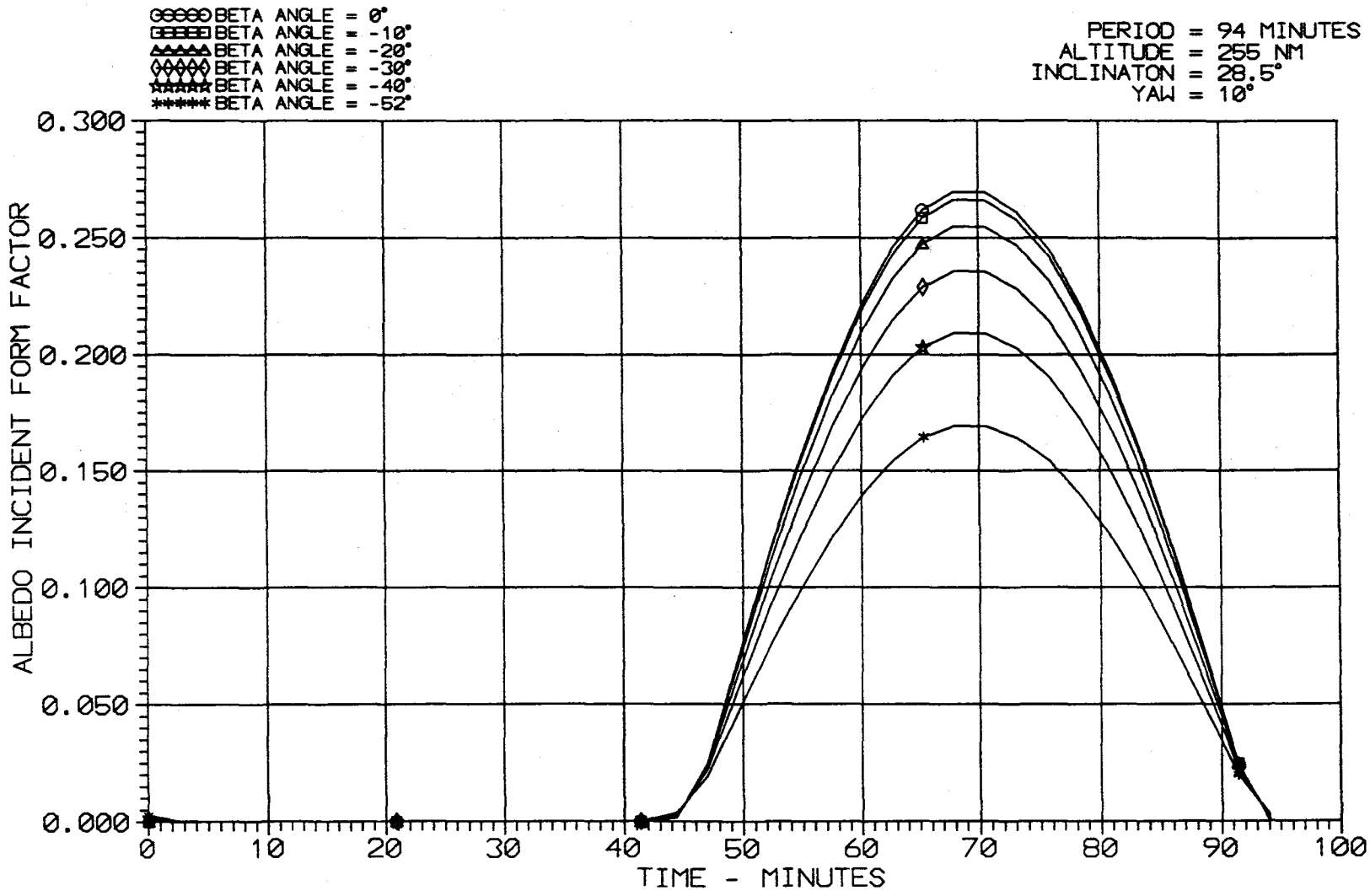
ROW: 8



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR NEGATIVE BETA ANGLES

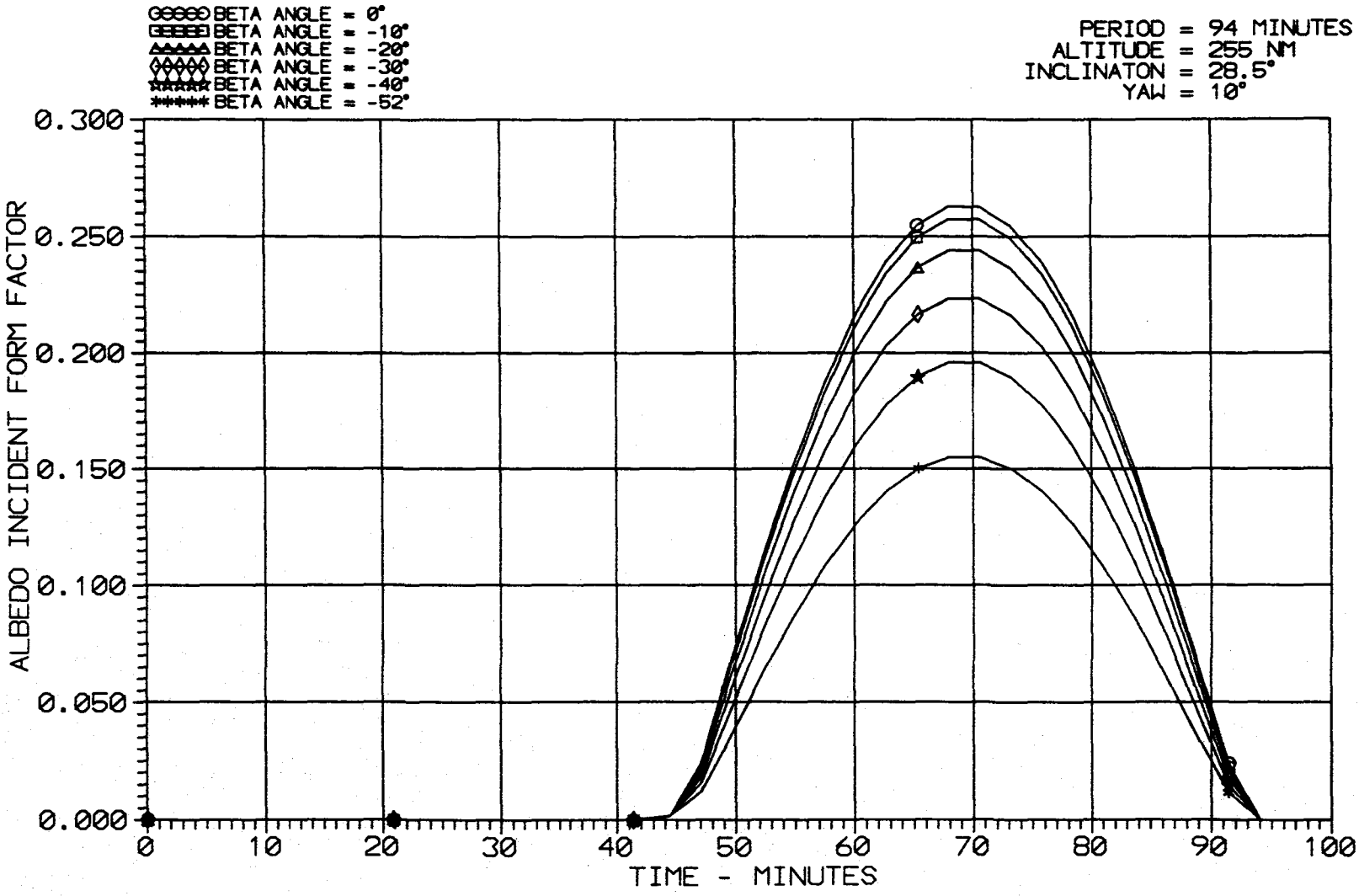
ROW: 9



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR NEGATIVE BETA ANGLES

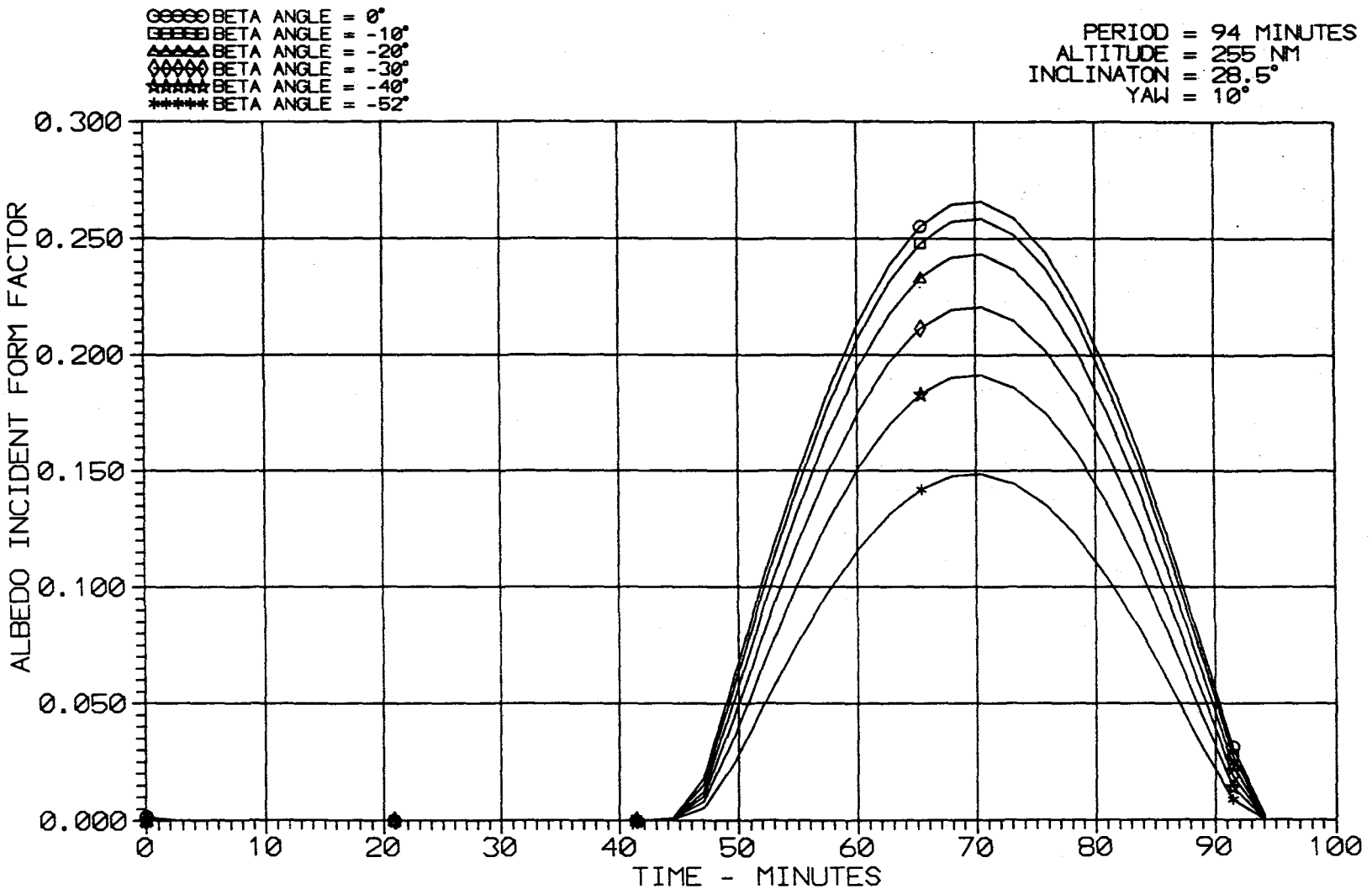
ROW: 10



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR NEGATIVE BETA ANGLES

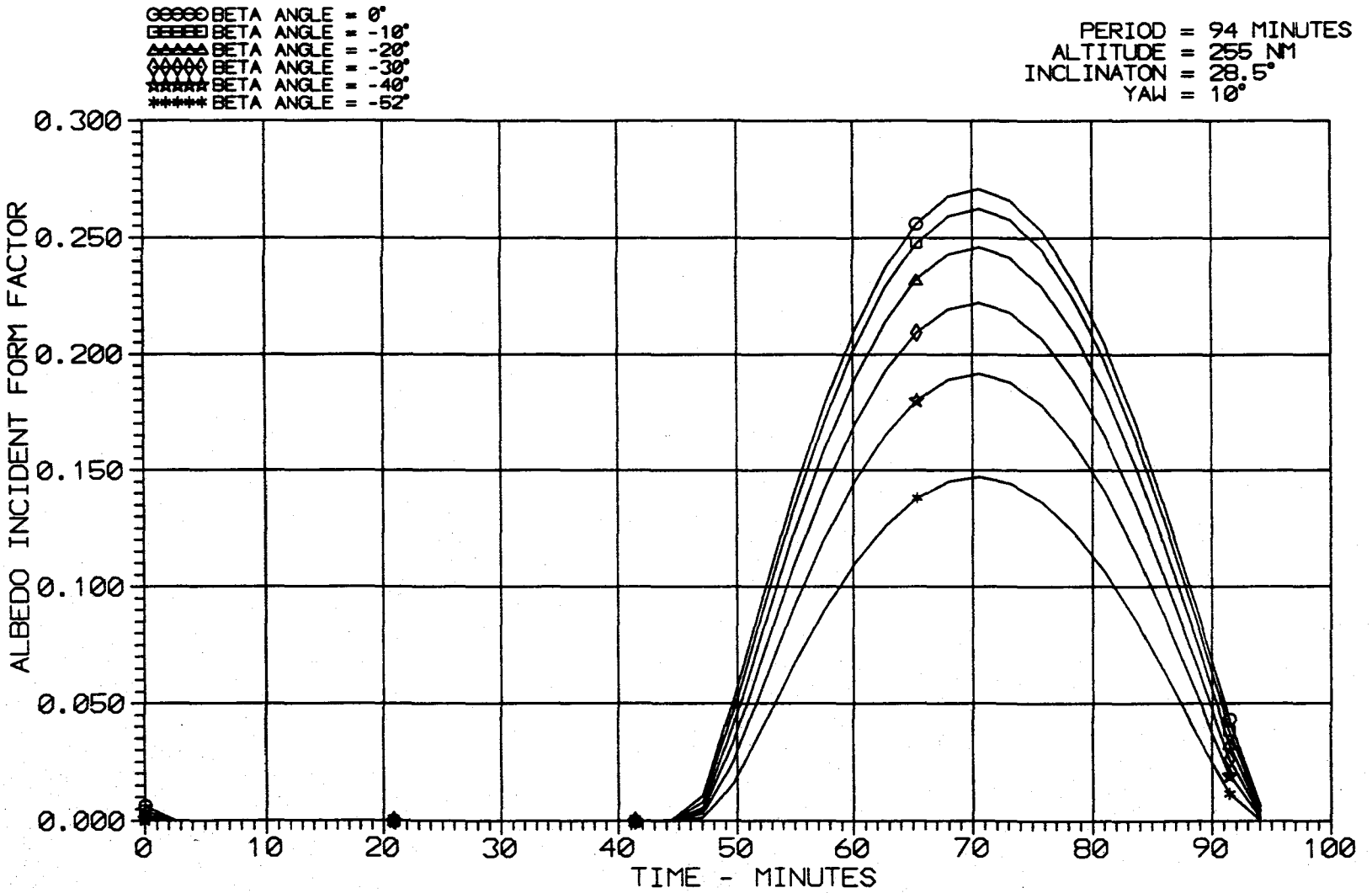
ROW: 11



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR NEGATIVE BETA ANGLES

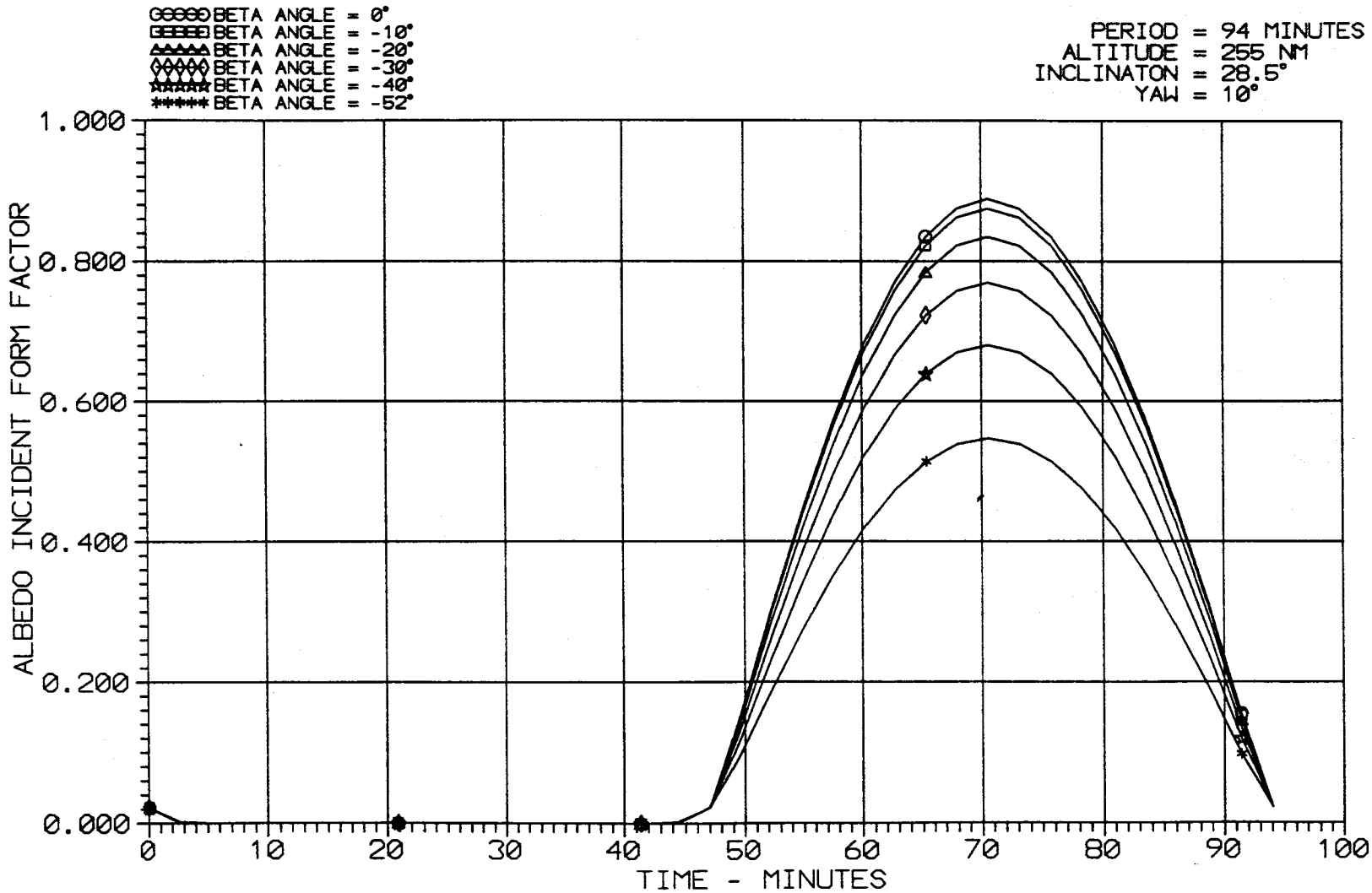
ROW: 12



LONG DURATION EXPOSURE FACILITY

ORBITAL ALBEDO FORM FACTOR FOR NEGATIVE BETA ANGLES

EARTH END



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ROW 1: INCIDENT ALBEDO FORM FACTOR VS. TIME

ROW 1	INCIDENT ALBEDO FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.0024	0.0045	0.0062	0.0077	0.0104	0.0131	0.0154	0.0175	0.0202	0.0223	0.0239
2.61	0.0001	0.0001	0.0003	0.0004	0.0005	0.0006	0.0008	0.0013	0.0019	0.0029	0.0050
5.21	0	0	0	0	0	0	0	0	0	0.0002	0.0007
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0	0	0	0	0	0	0	0	0	0.0001	0.0004
44.41	0	0	0	0	0	0	0.0001	0.0003	0.0007	0.0013	0.0030
47.03	0.0001	0.0006	0.0010	0.0014	0.0029	0.0046	0.0061	0.0077	0.0105	0.0131	0.0156
49.65	0.0105	0.0176	0.0238	0.0298	0.0350	0.0395	0.0429	0.0450	0.0457	0.0450	0.0425
52.27	0.0346	0.0503	0.0620	0.0720	0.0798	0.0852	0.0880	0.0881	0.0855	0.0804	0.0710
54.89	0.0608	0.0836	0.0999	0.1131	0.1228	0.1289	0.1310	0.1291	0.1234	0.1138	0.0979
57.51	0.0853	0.1141	0.1343	0.1504	0.1620	0.1686	0.1701	0.1665	0.1578	0.1443	0.1223
60.12	0.1066	0.1406	0.1643	0.1830	0.1961	0.2033	0.2043	0.1991	0.1878	0.1708	0.1437
62.74	0.1242	0.1624	0.1890	0.2097	0.2242	0.2317	0.2323	0.2258	0.2124	0.1926	0.1612
65.36	0.1374	0.1788	0.2075	0.2299	0.2453	0.2532	0.2534	0.2459	0.2310	0.2090	0.1744
67.97	0.1458	0.1894	0.2194	0.2428	0.2588	0.2669	0.2669	0.2589	0.2429	0.2196	0.1828
70.58	0.1493	0.1937	0.2243	0.2481	0.2643	0.2725	0.2725	0.2641	0.2478	0.2239	0.1863
73.20	0.1476	0.1916	0.2220	0.2456	0.2617	0.2699	0.2699	0.2616	0.2455	0.2218	0.1847
75.81	0.1410	0.1833	0.2126	0.2354	0.2510	0.2590	0.2592	0.2514	0.2361	0.2135	0.1780
78.42	0.1294	0.1690	0.1964	0.2178	0.2326	0.2403	0.2407	0.2338	0.2199	0.1992	0.1665
81.02	0.1134	0.1490	0.1738	0.1933	0.2069	0.2143	0.2151	0.2094	0.1973	0.1792	0.1504
83.63	0.0934	0.1241	0.1456	0.1627	0.1749	0.1817	0.1831	0.1788	0.1691	0.1543	0.1304
86.24	0.0699	0.0950	0.1127	0.1270	0.1374	0.1437	0.1456	0.1431	0.1362	0.1252	0.1070
88.84	0.0442	0.0625	0.0759	0.0871	0.0956	0.1013	0.1038	0.1032	0.0994	0.0927	0.0809
91.45	0.0188	0.0289	0.0372	0.0447	0.0509	0.0558	0.0590	0.0604	0.0600	0.0578	0.0528
94.05	0.0024	0.0045	0.0062	0.0077	0.0104	0.0131	0.0154	0.0175	0.0202	0.0223	0.0239
	ORBITAL AVERAGE ALBEDO FORM FACTOR										
	0.0449	0.0594	0.0697	0.0778	0.0837	0.0871	0.0878	0.0859	0.0814	0.0745	0.0634

ROW 2: INCIDENT ALBEDO FORM FACTOR VS. TIME

ROW 2	INCIDENT ALBEDO FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.0075	0.0107	0.0131	0.0151	0.0179	0.0203	0.0222	0.0235	0.0246	0.0250	0.0245
2.61	0.0010	0.0010	0.0010	0.0011	0.0012	0.0012	0.0014	0.0019	0.0024	0.0033	0.0051
5.21	0.0001	0.0001	0	0	0	0	0	0	0	0.0002	0.0007
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0	0	0	0	0	0	0	0	0	0	0.0001
44.41	0	0	0	0	0	0	0	0.0001	0.0002	0.0004	0.0013
47.03	0	0	0	0	0.0006	0.0012	0.0018	0.0026	0.0045	0.0064	0.0084
49.65	0.0100	0.0148	0.0191	0.0232	0.0267	0.0297	0.0320	0.0334	0.0337	0.0331	0.0312
52.27	0.0344	0.0476	0.0572	0.0653	0.0714	0.0753	0.0770	0.0763	0.0733	0.0681	0.0592
54.89	0.0611	0.0815	0.0957	0.1071	0.1152	0.1198	0.1208	0.1181	0.1118	0.1021	0.0864
57.51	0.0863	0.1128	0.1311	0.1455	0.1555	0.1607	0.1611	0.1565	0.1472	0.1334	0.1116
60.12	0.1084	0.1403	0.1623	0.1793	0.1909	0.1967	0.1965	0.1903	0.1784	0.1610	0.1338
62.74	0.1269	0.1633	0.1883	0.2075	0.2205	0.2267	0.2261	0.2185	0.2044	0.1840	0.1522
65.36	0.1411	0.1811	0.2083	0.2293	0.2432	0.2498	0.2488	0.2403	0.2244	0.2017	0.1665
67.97	0.1507	0.1930	0.2218	0.2439	0.2585	0.2654	0.2641	0.2549	0.2378	0.2136	0.1760
70.58	0.1553	0.1987	0.2282	0.2509	0.2659	0.2728	0.2715	0.2619	0.2443	0.2193	0.1806
73.20	0.1548	0.1981	0.2275	0.2501	0.2651	0.2720	0.2707	0.2611	0.2436	0.2187	0.1801
75.81	0.1492	0.1911	0.2197	0.2416	0.2562	0.2629	0.2617	0.2526	0.2358	0.2118	0.1745
78.42	0.1387	0.1780	0.2049	0.2255	0.2393	0.2459	0.2449	0.2365	0.2210	0.1987	0.1640
81.02	0.1236	0.1592	0.1836	0.2025	0.2152	0.2213	0.2208	0.2135	0.1997	0.1799	0.1489
83.63	0.1043	0.1353	0.1566	0.1731	0.1844	0.1901	0.1900	0.1841	0.1726	0.1559	0.1297
86.24	0.0815	0.1069	0.1245	0.1383	0.1479	0.1530	0.1535	0.1493	0.1405	0.1275	0.1069
88.84	0.0560	0.0750	0.0884	0.0991	0.1068	0.1113	0.1124	0.1101	0.1044	0.0956	0.0812
91.45	0.0294	0.0408	0.0495	0.0568	0.0624	0.0662	0.0680	0.0677	0.0654	0.0611	0.0534
94.05	0.0075	0.0107	0.0131	0.0151	0.0179	0.0203	0.0222	0.0235	0.0246	0.0250	0.0245
	ORBITAL AVERAGE ALBEDO FORM FACTOR										
	0.0478	0.0619	0.0717	0.0793	0.0846	0.0873	0.0874	0.0848	0.0797	0.0722	0.0605

ROW 3: INCIDENT ALBEDO FORM FACTOR VS. TIME

ROW 3	INCIDENT ALBEDO FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.0145	0.0179	0.0201	0.0218	0.0235	0.0246	0.0250	0.0247	0.0238	0.0222	0.0194
2.61	0.0026	0.0021	0.0018	0.0017	0.0016	0.0015	0.0017	0.0020	0.0023	0.0029	0.0039
5.21	0.0004	0.0002	0	0	0	0	0	0	0	0.0002	0.0006
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0	0	0	0	0	0	0	0	0	0	0
44.41	0.0001	0	0	0	0	0	0	0	0	0	0.0002
47.03	0.0009	0.0006	0.0003	0	0	0	0	0.0001	0.0010	0.0018	0.0027
49.65	0.0144	0.0173	0.0196	0.0216	0.0231	0.0241	0.0246	0.0244	0.0235	0.0222	0.0199
52.27	0.0396	0.0503	0.0576	0.0633	0.0672	0.0690	0.0687	0.0663	0.0619	0.0558	0.0463
54.89	0.0664	0.0840	0.0960	0.1050	0.1109	0.1134	0.1124	0.1080	0.1003	0.0896	0.0732
57.51	0.0916	0.1154	0.1314	0.1435	0.1512	0.1543	0.1527	0.1465	0.1358	0.1210	0.0984
60.12	0.1139	0.1432	0.1628	0.1776	0.1869	0.1905	0.1884	0.1805	0.1672	0.1487	0.1207
62.74	0.1326	0.1665	0.1892	0.2062	0.2169	0.2210	0.2184	0.2091	0.1935	0.1721	0.1395
65.36	0.1472	0.1847	0.2097	0.2285	0.2402	0.2447	0.2417	0.2314	0.2141	0.1902	0.1541
67.97	0.1573	0.1972	0.2239	0.2438	0.2563	0.2610	0.2578	0.2467	0.2282	0.2027	0.1641
70.58	0.1624	0.2036	0.2311	0.2516	0.2645	0.2694	0.2660	0.2546	0.2354	0.2091	0.1693
73.20	0.1625	0.2037	0.2313	0.2518	0.2647	0.2695	0.2662	0.2548	0.2356	0.2093	0.1694
75.81	0.1576	0.1976	0.2243	0.2443	0.2568	0.2616	0.2583	0.2473	0.2287	0.2032	0.1645
78.42	0.1478	0.1853	0.2105	0.2293	0.2411	0.2456	0.2426	0.2323	0.2149	0.1909	0.1546
81.02	0.1334	0.1674	0.1902	0.2073	0.2181	0.2222	0.2196	0.2103	0.1946	0.1730	0.1402
83.63	0.1148	0.1443	0.1641	0.1789	0.1883	0.1920	0.1899	0.1819	0.1685	0.1499	0.1216
86.24	0.0926	0.1167	0.1329	0.1451	0.1529	0.1560	0.1544	0.1481	0.1373	0.1223	0.0995
88.84	0.0675	0.0855	0.0977	0.1068	0.1128	0.1153	0.1143	0.1098	0.1020	0.0911	0.0744
91.45	0.0405	0.0516	0.0593	0.0653	0.0692	0.0710	0.0707	0.0682	0.0637	0.0572	0.0472
94.05	0.0145	0.0179	0.0201	0.0218	0.0235	0.0246	0.0250	0.0247	0.0238	0.0222	0.0194
	ORBITAL AVERAGE ALBEDO FORM FACTOR										
	0.0517	0.0648	0.0737	0.0804	0.0846	0.0863	0.0854	0.0818	0.0759	0.0676	0.0551

ROW 4: INCIDENT ALBEDO FORM FACTOR VS. TIME

ROW 4	INCIDENT ALBEDO FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.0212	0.0235	0.0246	0.0250	0.0247	0.0236	0.0218	0.0195	0.0176	0.0151	0.0115
2.61	0.0044	0.0031	0.0024	0.0020	0.0017	0.0015	0.0015	0.0015	0.0015	0.0017	0.0019
5.21	0.0006	0.0002	0	0	0	0	0	0	0	0.0001	0.0002
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0	0	0	0	0	0	0	0	0	0	0
44.41	0.0003	0	0	0	0	0	0	0	0	0	0
47.03	0.0038	0.0026	0.0015	0.0004	0.0001	0.0001	0	0	0	0	0
49.65	0.0224	0.0244	0.0253	0.0256	0.0251	0.0239	0.0223	0.0202	0.0176	0.0148	0.0115
52.27	0.0487	0.0575	0.0630	0.0666	0.0682	0.0677	0.0652	0.0607	0.0544	0.0466	0.0356
54.89	0.0751	0.0905	0.1004	0.1072	0.1108	0.1110	0.1078	0.1014	0.0918	0.0795	0.0616
57.51	0.0996	0.1210	0.1349	0.1446	0.1500	0.1508	0.1470	0.1388	0.1263	0.1100	0.0861
60.12	0.1213	0.1480	0.1654	0.1778	0.1847	0.1861	0.1818	0.1719	0.1569	0.1371	0.1078
62.74	0.1395	0.1707	0.1911	0.2056	0.2139	0.2157	0.2109	0.1998	0.1825	0.1597	0.1261
65.36	0.1537	0.1884	0.2111	0.2273	0.2366	0.2388	0.2336	0.2214	0.2025	0.1774	0.1403
67.97	0.1635	0.2005	0.2247	0.2421	0.2522	0.2546	0.2492	0.2363	0.2162	0.1895	0.1500
70.58	0.1684	0.2067	0.2317	0.2497	0.2601	0.2626	0.2572	0.2439	0.2232	0.1957	0.1549
73.20	0.1685	0.2068	0.2318	0.2498	0.2602	0.2627	0.2573	0.2439	0.2233	0.1958	0.1550
75.81	0.1636	0.2007	0.2250	0.2424	0.2524	0.2548	0.2495	0.2365	0.2164	0.1897	0.1502
78.42	0.1540	0.1887	0.2114	0.2277	0.2370	0.2392	0.2341	0.2218	0.2029	0.1777	0.1405
81.02	0.1399	0.1712	0.1916	0.2062	0.2145	0.2163	0.2115	0.2003	0.1830	0.1602	0.1264
83.63	0.1217	0.1486	0.1661	0.1785	0.1855	0.1868	0.1825	0.1726	0.1575	0.1376	0.1083
86.24	0.1001	0.1217	0.1356	0.1454	0.1508	0.1517	0.1479	0.1396	0.1271	0.1107	0.0866
88.84	0.0756	0.0912	0.1012	0.1081	0.1117	0.1119	0.1087	0.1022	0.0926	0.0802	0.0622
91.45	0.0491	0.0582	0.0638	0.0675	0.0692	0.0687	0.0662	0.0617	0.0553	0.0472	0.0359
94.05	0.0212	0.0235	0.0246	0.0250	0.0247	0.0236	0.0218	0.0195	0.0176	0.0151	0.0115
	ORBITAL AVERAGE ALBEDO FORM FACTOR										
	0.0554	0.0673	0.0751	0.0805	0.0836	0.0841	0.0821	0.0776	0.0708	0.0618	0.0487

ROW 5: INCIDENT ALBEDO FORM FACTOR VS. TIME

ROW 5	INCIDENT ALBEDO FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.0250	0.0246	0.0235	0.0217	0.0200	0.0178	0.0151	0.0122	0.0102	0.0081	0.0051
2.61	0.0053	0.0033	0.0023	0.0017	0.0012	0.0010	0.0009	0.0008	0.0007	0.0006	0.0005
5.21	0.0007	0.0002	0	0	0	0	0	0	0	0	0.0001
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0.0002	0	0	0	0	0	0	0	0	0	0
44.41	0.0017	0.0006	0.0003	0.0001	0	0	0	0	0	0	0.0000
47.03	0.0103	0.0081	0.0059	0.0036	0.0026	0.0017	0.0008	0	0	0	0.0000
49.65	0.0343	0.0361	0.0365	0.0359	0.0341	0.0313	0.0278	0.0236	0.0190	0.0142	0.0088
52.27	0.0618	0.0704	0.0752	0.0778	0.0780	0.0758	0.0713	0.0647	0.0561	0.0460	0.0323
54.89	0.0883	0.1034	0.1126	0.1183	0.1205	0.1190	0.1138	0.1052	0.0934	0.0788	0.0581
57.51	0.1127	0.1337	0.1469	0.1555	0.1594	0.1585	0.1528	0.1424	0.1277	0.1091	0.0825
60.12	0.1341	0.1603	0.1769	0.1882	0.1936	0.1933	0.1870	0.1751	0.1578	0.1357	0.1039
62.74	0.1518	0.1825	0.2019	0.2153	0.2221	0.2221	0.2154	0.2022	0.1828	0.1578	0.1217
65.36	0.1655	0.1994	0.2211	0.2361	0.2438	0.2442	0.2372	0.2229	0.2019	0.1748	0.1353
67.97	0.1745	0.2107	0.2338	0.2499	0.2583	0.2589	0.2517	0.2368	0.2147	0.1860	0.1443
70.58	0.1787	0.2159	0.2397	0.2563	0.2650	0.2658	0.2584	0.2432	0.2206	0.1913	0.1485
73.20	0.1779	0.2149	0.2386	0.2551	0.2638	0.2645	0.2572	0.2420	0.2195	0.1903	0.1478
75.81	0.1722	0.2078	0.2306	0.2464	0.2547	0.2552	0.2480	0.2333	0.2115	0.1832	0.1420
78.42	0.1617	0.1948	0.2158	0.2304	0.2379	0.2382	0.2312	0.2173	0.1967	0.1701	0.1315
81.02	0.1468	0.1762	0.1948	0.2076	0.2140	0.2139	0.2073	0.1945	0.1757	0.1516	0.1166
83.63	0.1278	0.1526	0.1682	0.1786	0.1837	0.1831	0.1770	0.1655	0.1490	0.1280	0.0977
86.24	0.1055	0.1248	0.1367	0.1445	0.1479	0.1468	0.1412	0.1314	0.1176	0.1001	0.0753
88.84	0.0803	0.0935	0.1014	0.1062	0.1077	0.1060	0.1011	0.0931	0.0822	0.0689	0.0504
91.45	0.0533	0.0598	0.0632	0.0648	0.0644	0.0620	0.0577	0.0518	0.0444	0.0358	0.0248
94.05	0.0250	0.0246	0.0235	0.0217	0.0200	0.0178	0.0151	0.0122	0.0102	0.0081	0.0051
	ORBITAL AVERAGE ALBEDO FORM FACTOR										
	0.0603	0.0715	0.0785	0.0832	0.0853	0.0850	0.0820	0.0766	0.0689	0.0592	0.0452

ROW 6: INCIDENT ALBEDO FORM FACTOR VS. TIME

ROW 6	INCIDENT ALBEDO FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.0223	0.0202	0.0178	0.0150	0.0129	0.0107	0.0081	0.0056	0.0044	0.0031	0.0014
2.61	0.0047	0.0026	0.0016	0.0011	0.0006	0.0004	0.0003	0.0003	0.0002	0.0001	0
5.21	0.0006	0.0002	0	0	0	0	0	0	0	0	0
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0.0005	0.0001	0	0	0	0	0	0	0	0	0
44.41	0.0036	0.0018	0.0010	0.0006	0.0003	0.0001	0.0001	0.0001	0	0	0
47.03	0.0181	0.0156	0.0129	0.0100	0.0081	0.0063	0.0043	0.0025	0.0018	0.0011	0.0002
49.65	0.0458	0.0487	0.0495	0.0488	0.0467	0.0432	0.0384	0.0328	0.0263	0.0195	0.0116
52.27	0.0739	0.0836	0.0890	0.0916	0.0915	0.0885	0.0829	0.0748	0.0644	0.0522	0.0358
54.89	0.1005	0.1167	0.1263	0.1321	0.1339	0.1316	0.1254	0.1153	0.1017	0.0850	0.0616
57.51	0.1245	0.1466	0.1602	0.1689	0.1724	0.1707	0.1639	0.1520	0.1356	0.1150	0.0857
60.12	0.1454	0.1726	0.1895	0.2007	0.2058	0.2046	0.1973	0.1839	0.1649	0.1409	0.1066
62.74	0.1625	0.1938	0.2135	0.2268	0.2331	0.2323	0.2245	0.2099	0.1889	0.1622	0.1236
65.36	0.1752	0.2096	0.2314	0.2461	0.2534	0.2530	0.2449	0.2293	0.2068	0.1780	0.1363
67.97	0.1831	0.2195	0.2426	0.2583	0.2662	0.2659	0.2576	0.2415	0.2180	0.1879	0.1443
70.58	0.1861	0.2233	0.2468	0.2629	0.2709	0.2708	0.2624	0.2460	0.2222	0.1916	0.1473
73.20	0.1840	0.2207	0.2439	0.2597	0.2676	0.2674	0.2591	0.2429	0.2193	0.1890	0.1452
75.81	0.1770	0.2119	0.2340	0.2489	0.2563	0.2559	0.2478	0.2321	0.2093	0.1802	0.1382
78.42	0.1651	0.1971	0.2173	0.2308	0.2374	0.2367	0.2288	0.2140	0.1927	0.1655	0.1263
81.02	0.1488	0.1769	0.1944	0.2060	0.2113	0.2102	0.2028	0.1891	0.1698	0.1452	0.1100
83.63	0.1286	0.1517	0.1659	0.1751	0.1790	0.1774	0.1704	0.1583	0.1413	0.1201	0.0898
86.24	0.1051	0.1224	0.1328	0.1392	0.1413	0.1391	0.1328	0.1223	0.1082	0.0906	0.0663
88.84	0.0789	0.0899	0.0961	0.0993	0.0995	0.0967	0.0909	0.0824	0.0714	0.0584	0.0406
91.45	0.0510	0.0551	0.0568	0.0567	0.0549	0.0514	0.0465	0.0404	0.0331	0.0252	0.0158
94.05	0.0223	0.0202	0.0178	0.0150	0.0129	0.0107	0.0081	0.0056	0.0044	0.0031	0.0014
	ORBITAL AVERAGE ALBEDO FROM FACTOR										
	0.0635	0.0745	0.0812	0.0855	0.0873	0.0865	0.0830	0.0771	0.0689	0.0586	0.0441

ROW 7: INCIDENT ALBEDO FORM FACTOR VS. TIME

ROW 7	INCIDENT ALBEDO FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.0156	0.0131	0.0105	0.0077	0.0061	0.0046	0.0029	0.0014	0.0010	0.0006	0.0001
2.61	0.0030	0.0013	0.0007	0.0003	0.0001	0	0	0	0	0	0
5.21	0.0004	0.0001	0	0	0	0	0	0	0	0	0
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0.0007	0.0002	0	0	0	0	0	0	0	0	0
44.41	0.0050	0.0029	0.0019	0.0013	0.0008	0.0006	0.0005	0.0004	0.0003	0.0001	0.0001
47.03	0.0239	0.0223	0.0202	0.0175	0.0154	0.0131	0.0104	0.0077	0.0062	0.0045	0.0024
49.65	0.0528	0.0578	0.0600	0.0604	0.0590	0.0558	0.0509	0.0447	0.0372	0.0289	0.0188
52.27	0.0809	0.0927	0.0994	0.1032	0.1038	0.1013	0.0956	0.0871	0.0759	0.0625	0.0442
54.89	0.1070	0.1252	0.1362	0.1431	0.1456	0.1437	0.1374	0.1270	0.1127	0.0950	0.0699
57.51	0.1304	0.1543	0.1691	0.1788	0.1831	0.1817	0.1749	0.1627	0.1456	0.1241	0.0934
60.12	0.1504	0.1792	0.1973	0.2094	0.2151	0.2143	0.2069	0.1933	0.1738	0.1490	0.1134
62.74	0.1665	0.1992	0.2199	0.2338	0.2407	0.2403	0.2326	0.2178	0.1964	0.1690	0.1294
65.36	0.1780	0.2135	0.2361	0.2514	0.2592	0.2590	0.2510	0.2354	0.2126	0.1833	0.1410
67.97	0.1847	0.2218	0.2455	0.2616	0.2699	0.2699	0.2617	0.2456	0.2220	0.1916	0.1476
70.58	0.1863	0.2239	0.2478	0.2641	0.2725	0.2725	0.2643	0.2481	0.2243	0.1937	0.1493
73.20	0.1828	0.2196	0.2429	0.2589	0.2669	0.2669	0.2588	0.2428	0.2194	0.1894	0.1458
75.81	0.1744	0.2090	0.2310	0.2459	0.2534	0.2532	0.2453	0.2299	0.2075	0.1788	0.1374
78.42	0.1612	0.1926	0.2124	0.2258	0.2323	0.2317	0.2242	0.2097	0.1890	0.1624	0.1242
81.02	0.1437	0.1708	0.1878	0.1991	0.2043	0.2033	0.1961	0.1830	0.1643	0.1406	0.1066
83.63	0.1223	0.1443	0.1578	0.1665	0.1701	0.1686	0.1620	0.1504	0.1343	0.1141	0.0853
86.24	0.0979	0.1138	0.1234	0.1291	0.1310	0.1289	0.1228	0.1131	0.0999	0.0836	0.0608
88.84	0.0710	0.0804	0.0855	0.0881	0.0880	0.0852	0.0798	0.0720	0.0620	0.0503	0.0346
91.45	0.0425	0.0450	0.0457	0.0450	0.0429	0.0395	0.0350	0.0298	0.0238	0.0176	0.0105
94.05	0.0156	0.0131	0.0105	0.0077	0.0061	0.0046	0.0029	0.0014	0.0010	0.0006	0.0001
	ORBITAL AVERAGE ALBEDO FORM FACTOR										
	0.0634	0.0745	0.0814	0.0859	0.0878	0.0871	0.0837	0.0778	0.0697	0.0594	0.0449

ROW 8: INCIDENT ALBEDO FORM FACTOR VS. TIME

ROW 8	INCIDENT ALBEDO FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.0084	0.0064	0.0045	0.0026	0.0018	0.0012	0.0006	0	0	0	0
2.61	0.0013	0.0004	0.0002	0.0001	0	0	0	0	0	0	0
5.21	0.0001	0	0	0	0	0	0	0	0	0	0
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0.0007	0.0002	0	0	0	0	0	0	0	0.0001	0.0001
44.41	0.0051	0.0033	0.0024	0.0019	0.0014	0.0012	0.0012	0.0011	0.0010	0.0010	0.0010
47.03	0.0245	0.0250	0.0246	0.0235	0.0222	0.0203	0.0179	0.0151	0.0131	0.0107	0.0075
49.65	0.0534	0.0611	0.0654	0.0677	0.0680	0.0662	0.0624	0.0568	0.0495	0.0406	0.0294
52.27	0.0812	0.0956	0.1044	0.1101	0.1124	0.1113	0.1068	0.0991	0.0884	0.0750	0.0560
54.89	0.1069	0.1275	0.1405	0.1493	0.1535	0.1530	0.1479	0.1383	0.1245	0.1069	0.0815
57.51	0.1297	0.1559	0.1726	0.1841	0.1900	0.1901	0.1844	0.1731	0.1566	0.1353	0.1043
60.12	0.1489	0.1799	0.1997	0.2135	0.2206	0.2213	0.2152	0.2025	0.1836	0.1592	0.1236
62.74	0.1640	0.1987	0.2210	0.2365	0.2449	0.2459	0.2393	0.2255	0.2049	0.1780	0.1387
65.36	0.1745	0.2118	0.2358	0.2526	0.2617	0.2629	0.2562	0.2416	0.2197	0.1911	0.1492
67.97	0.1801	0.2187	0.2436	0.2611	0.2707	0.2720	0.2651	0.2501	0.2275	0.1981	0.1548
70.58	0.1806	0.2193	0.2443	0.2619	0.2715	0.2728	0.2659	0.2509	0.2282	0.1987	0.1553
73.20	0.1760	0.2136	0.2378	0.2549	0.2641	0.2654	0.2585	0.2439	0.2218	0.1930	0.1507
75.81	0.1665	0.2017	0.2244	0.2403	0.2488	0.2498	0.2432	0.2293	0.2083	0.1811	0.1411
78.42	0.1522	0.1840	0.2044	0.2185	0.2261	0.2267	0.2205	0.2075	0.1883	0.1633	0.1269
81.02	0.1338	0.1610	0.1784	0.1903	0.1965	0.1967	0.1909	0.1793	0.1623	0.1403	0.1084
83.63	0.1116	0.1334	0.1472	0.1565	0.1611	0.1607	0.1555	0.1455	0.1311	0.1128	0.0863
86.24	0.0864	0.1021	0.1118	0.1181	0.1206	0.1198	0.1152	0.1071	0.0957	0.0815	0.0611
88.84	0.0592	0.0681	0.0733	0.0763	0.0770	0.0753	0.0714	0.0653	0.0572	0.0476	0.0344
91.45	0.0312	0.0331	0.0337	0.0334	0.0320	0.0297	0.0267	0.0232	0.0191	0.0148	0.0100
94.05	0.0084	0.0064	0.0045	0.0026	0.0018	0.0012	0.0006	0.0000	0.0000	0.0000	0.0000
	ORBITAL AVERAGE ALBEDO FORM FACTOR										
	0.0605	0.0723	0.0797	0.0848	0.0874	0.0873	0.0846	0.0793	0.0717	0.0619	0.0478

ROW 9: INCIDENT ALBEDO FORM FACTOR VS. TIME

ROW 9	INCIDENT ALBEDO FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.0027	0.0018	0.0010	0.0001	0	0	0	0	0.0003	0.0006	0.0009
2.61	0.0002	0	0	0	0	0	0	0	0	0	0.0001
5.21	0	0	0	0	0	0	0	0	0	0	0
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0.0006	0.0002	0	0	0	0	0	0	0	0.0002	0.0004
44.41	0.0039	0.0029	0.0023	0.0020	0.0017	0.0015	0.0016	0.0017	0.0018	0.0021	0.0026
47.03	0.0194	0.0222	0.0238	0.0247	0.0250	0.0246	0.0235	0.0218	0.0201	0.0179	0.0145
49.65	0.0472	0.0572	0.0637	0.0682	0.0707	0.0710	0.0692	0.0653	0.0593	0.0516	0.0405
52.27	0.0744	0.0911	0.1020	0.1098	0.1143	0.1153	0.1128	0.1068	0.0977	0.0855	0.0675
54.89	0.0995	0.1223	0.1373	0.1481	0.1544	0.1560	0.1529	0.1451	0.1329	0.1167	0.0926
57.51	0.1216	0.1499	0.1685	0.1819	0.1899	0.1920	0.1883	0.1789	0.1641	0.1443	0.1148
60.12	0.1402	0.1730	0.1946	0.2103	0.2196	0.2222	0.2181	0.2073	0.1902	0.1674	0.1334
62.74	0.1546	0.1909	0.2149	0.2323	0.2426	0.2456	0.2411	0.2293	0.2105	0.1853	0.1478
65.36	0.1645	0.2032	0.2287	0.2473	0.2583	0.2616	0.2568	0.2443	0.2243	0.1976	0.1576
67.97	0.1694	0.2093	0.2356	0.2548	0.2662	0.2695	0.2647	0.2518	0.2313	0.2037	0.1625
70.58	0.1693	0.2091	0.2354	0.2546	0.2660	0.2694	0.2645	0.2516	0.2311	0.2036	0.1624
73.20	0.1641	0.2027	0.2282	0.2467	0.2578	0.2610	0.2563	0.2438	0.2239	0.1972	0.1573
75.81	0.1541	0.1902	0.2141	0.2314	0.2417	0.2447	0.2402	0.2285	0.2097	0.1847	0.1472
78.42	0.1395	0.1721	0.1935	0.2091	0.2184	0.2210	0.2169	0.2062	0.1892	0.1665	0.1326
81.02	0.1207	0.1487	0.1672	0.1805	0.1884	0.1905	0.1869	0.1776	0.1628	0.1432	0.1139
83.63	0.0984	0.1210	0.1358	0.1465	0.1527	0.1543	0.1512	0.1435	0.1314	0.1154	0.0916
86.24	0.0732	0.0896	0.1003	0.1080	0.1124	0.1134	0.1109	0.1050	0.0960	0.0840	0.0664
88.84	0.0463	0.0558	0.0619	0.0663	0.0687	0.0690	0.0672	0.0633	0.0576	0.0503	0.0396
91.45	0.0199	0.0222	0.0235	0.0244	0.0246	0.0241	0.0231	0.0216	0.0196	0.0173	0.0144
94.05	0.0027	0.0018	0.0010	0.0001	0.0000	0.0000	0.0000	0.0000	0.0003	0.0006	0.0009
	ORBITAL AVERAGE ALBEDO FORM FACTOR										
	0.0551	0.0677	0.0759	0.0819	0.0854	0.0863	0.0846	0.0804	0.0737	0.0649	0.0517

ROW 10: INCIDENT ALBEDO FORM FACTOR VS. TIME

ROW 10	INCIDENT ALBEDO FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0	0	0	0	0	0.0001	0.0001	0.0004	0.0015	0.0026	0.0038
2.61	0	0	0	0	0	0	0	0	0	0	0.0003
5.21	0	0	0	0	0	0	0	0	0	0	0
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0.0002	0.0001	0	0	0	0	0	0	0	0.0002	0.0006
44.41	0.0019	0.0017	0.0015	0.0015	0.0015	0.0015	0.0017	0.0020	0.0024	0.0031	0.0044
47.03	0.0115	0.0151	0.0176	0.0195	0.0218	0.0236	0.0247	0.0250	0.0246	0.0235	0.0212
49.65	0.0359	0.0472	0.0553	0.0617	0.0662	0.0687	0.0692	0.0675	0.0638	0.0582	0.0491
52.27	0.0622	0.0802	0.0926	0.1022	0.1087	0.1119	0.1117	0.1081	0.1012	0.0912	0.0756
54.89	0.0866	0.1107	0.1271	0.1396	0.1479	0.1517	0.1508	0.1454	0.1356	0.1217	0.1001
57.51	0.1083	0.1376	0.1575	0.1726	0.1825	0.1868	0.1855	0.1785	0.1661	0.1486	0.1217
60.12	0.1264	0.1602	0.1830	0.2003	0.2115	0.2163	0.2145	0.2062	0.1916	0.1712	0.1399
62.74	0.1405	0.1777	0.2029	0.2218	0.2341	0.2392	0.2370	0.2277	0.2114	0.1887	0.1540
65.36	0.1502	0.1897	0.2164	0.2365	0.2495	0.2548	0.2524	0.2424	0.2250	0.2007	0.1636
67.97	0.1550	0.1958	0.2233	0.2439	0.2573	0.2627	0.2602	0.2498	0.2318	0.2068	0.1685
70.58	0.1549	0.1957	0.2232	0.2439	0.2572	0.2626	0.2601	0.2497	0.2317	0.2067	0.1684
73.20	0.1500	0.1895	0.2162	0.2363	0.2492	0.2546	0.2522	0.2421	0.2247	0.2005	0.1635
75.81	0.1403	0.1774	0.2025	0.2214	0.2336	0.2388	0.2366	0.2273	0.2111	0.1884	0.1537
78.42	0.1261	0.1597	0.1825	0.1998	0.2109	0.2157	0.2139	0.2056	0.1911	0.1707	0.1395
81.02	0.1078	0.1371	0.1569	0.1719	0.1818	0.1861	0.1847	0.1778	0.1654	0.1480	0.1213
83.63	0.0861	0.1100	0.1263	0.1388	0.1470	0.1508	0.1500	0.1446	0.1349	0.1210	0.0996
86.24	0.0616	0.0795	0.0918	0.1014	0.1078	0.1110	0.1108	0.1072	0.1004	0.0905	0.0751
88.84	0.0356	0.0466	0.0544	0.0607	0.0652	0.0677	0.0682	0.0666	0.0630	0.0575	0.0487
91.45	0.0115	0.0148	0.0176	0.0202	0.0223	0.0239	0.0251	0.0256	0.0253	0.0244	0.0224
94.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0004	0.0015	0.0026	0.0038
	ORBITAL AVERAGE ALBEDO FORM FACTOR										
	0.0487	0.0619	0.0708	0.0776	0.0821	0.0841	0.0836	0.0806	0.0751	0.0674	0.0554

ROW 11: INCIDENT ALBEDO FORM FACTOR VS. TIME

ROW 11	INCIDENT ALBEDO FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0	0	0	0	0.0008	0.0017	0.0026	0.0036	0.0059	0.0081	0.0103
2.61	0	0	0	0	0	0	0	0.0001	0.0003	0.0006	0.0017
5.21	0	0	0	0	0	0	0	0	0	0	0.0002
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0.0001	0	0	0	0	0	0	0	0	0.0002	0.0007
44.41	0.0005	0.0006	0.0007	0.0008	0.0009	0.0010	0.0012	0.0017	0.0023	0.0033	0.0053
47.03	0.0051	0.0081	0.0102	0.0122	0.0151	0.0178	0.0200	0.0217	0.0235	0.0246	0.0250
49.65	0.0248	0.0358	0.0444	0.0518	0.0577	0.0620	0.0644	0.0648	0.0632	0.0598	0.0533
52.27	0.0504	0.0689	0.0822	0.0931	0.1011	0.1060	0.1077	0.1062	0.1014	0.0935	0.0803
54.89	0.0753	0.1001	0.1176	0.1314	0.1412	0.1468	0.1479	0.1445	0.1367	0.1248	0.1055
57.51	0.0977	0.1280	0.1490	0.1655	0.1770	0.1831	0.1837	0.1786	0.1682	0.1526	0.1278
60.12	0.1166	0.1516	0.1757	0.1945	0.2073	0.2139	0.2140	0.2076	0.1948	0.1762	0.1468
62.74	0.1315	0.1701	0.1967	0.2173	0.2312	0.2382	0.2379	0.2304	0.2158	0.1948	0.1617
65.36	0.1420	0.1832	0.2115	0.2333	0.2480	0.2552	0.2547	0.2464	0.2306	0.2078	0.1722
67.97	0.1478	0.1903	0.2195	0.2420	0.2572	0.2645	0.2638	0.2551	0.2386	0.2149	0.1779
70.58	0.1485	0.1913	0.2206	0.2432	0.2584	0.2658	0.2650	0.2563	0.2397	0.2159	0.1787
73.20	0.1443	0.1860	0.2147	0.2368	0.2517	0.2589	0.2583	0.2499	0.2338	0.2107	0.1745
75.81	0.1353	0.1748	0.2019	0.2229	0.2372	0.2442	0.2438	0.2361	0.2211	0.1994	0.1655
78.42	0.1217	0.1578	0.1828	0.2022	0.2154	0.2221	0.2221	0.2153	0.2019	0.1825	0.1518
81.02	0.1039	0.1357	0.1578	0.1751	0.1870	0.1933	0.1936	0.1882	0.1769	0.1603	0.1341
83.63	0.0825	0.1091	0.1277	0.1424	0.1528	0.1585	0.1594	0.1555	0.1469	0.1337	0.1127
86.24	0.0581	0.0788	0.0934	0.1052	0.1138	0.1190	0.1205	0.1183	0.1126	0.1034	0.0883
88.84	0.0323	0.0460	0.0561	0.0647	0.0713	0.0758	0.0780	0.0778	0.0752	0.0704	0.0618
91.45	0.0088	0.0142	0.0190	0.0236	0.0278	0.0313	0.0341	0.0359	0.0365	0.0361	0.0343
94.05	0.0000	0.0000	0.0000	0.0000	0.0008	0.0017	0.0026	0.0036	0.0059	0.0081	0.0103
	0.0452	0.0592	0.0689	0.0766	0.0820	0.0850	0.0854	0.0832	0.0785	0.0715	0.0603

ROW 12: INCIDENT ALBEDO FORM FACTOR VS. TIME

ROW 12	INCIDENT ALBEDO FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.0002	0.0011	0.0018	0.0025	0.0043	0.0063	0.0081	0.0100	0.0129	0.0156	0.0181
2.61	0	0	0	0.0001	0.0001	0.0001	0.0003	0.0006	0.0010	0.0018	0.0036
5.21	0	0	0	0	0	0	0	0	0	0.0001	0.0005
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0	0	0	0	0	0	0	0	0	0.0002	0.0006
44.41	0	0.0001	0.0002	0.0003	0.0003	0.0004	0.0006	0.0011	0.0016	0.0026	0.0047
47.03	0.0014	0.0031	0.0044	0.0056	0.0081	0.0107	0.0129	0.0150	0.0178	0.0202	0.0223
49.65	0.0158	0.0252	0.0331	0.0404	0.0465	0.0514	0.0549	0.0567	0.0568	0.0551	0.0510
52.27	0.0406	0.0584	0.0714	0.0824	0.0909	0.0967	0.0995	0.0993	0.0961	0.0899	0.0789
54.89	0.0663	0.0908	0.1082	0.1223	0.1328	0.1391	0.1413	0.1392	0.1328	0.1224	0.1051
57.51	0.0898	0.1201	0.1413	0.1583	0.1704	0.1774	0.1790	0.1751	0.1659	0.1517	0.1286
60.12	0.1100	0.1452	0.1698	0.1891	0.2028	0.2102	0.2113	0.2060	0.1944	0.1769	0.1488
62.74	0.1263	0.1655	0.1927	0.2140	0.2288	0.2367	0.2374	0.2308	0.2173	0.1971	0.1651
65.36	0.1382	0.1802	0.2093	0.2321	0.2478	0.2559	0.2563	0.2489	0.2340	0.2119	0.1770
67.97	0.1452	0.1890	0.2193	0.2429	0.2591	0.2674	0.2676	0.2597	0.2439	0.2207	0.1840
70.58	0.1473	0.1916	0.2222	0.2460	0.2624	0.2708	0.2709	0.2629	0.2468	0.2233	0.1861
73.20	0.1443	0.1879	0.2180	0.2415	0.2576	0.2659	0.2662	0.2583	0.2426	0.2195	0.1831
75.81	0.1363	0.1780	0.2068	0.2293	0.2449	0.2530	0.2534	0.2461	0.2314	0.2096	0.1752
78.42	0.1236	0.1622	0.1889	0.2099	0.2245	0.2323	0.2331	0.2268	0.2135	0.1938	0.1625
81.02	0.1066	0.1409	0.1649	0.1839	0.1973	0.2046	0.2058	0.2007	0.1895	0.1726	0.1454
83.63	0.0857	0.1150	0.1356	0.1520	0.1639	0.1707	0.1724	0.1689	0.1602	0.1466	0.1245
86.24	0.0616	0.0850	0.1017	0.1153	0.1254	0.1316	0.1339	0.1321	0.1263	0.1167	0.1005
88.84	0.0358	0.0522	0.0644	0.0748	0.0829	0.0885	0.0915	0.0916	0.0890	0.0836	0.0739
91.45	0.0116	0.0195	0.0263	0.0328	0.0384	0.0432	0.0467	0.0488	0.0495	0.0487	0.0458
94.05	0.0002	0.0011	0.0018	0.0025	0.0043	0.0063	0.0081	0.0100	0.0129	0.0156	0.0181
	ORBITAL AVERAGE ALBEDO FORM FACTOR										
	0.0441	0.0586	0.0689	0.0771	0.0830	0.0865	0.0873	0.0855	0.0812	0.0745	0.0635

EARTH END: INCIDENT ALBEDO FORM FACTOR VS. TIME

EARTH	INCIDENT ALBEDO FORM FACTOR PER BETA ANGLE										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.0226	0.0225	0.0227	0.0225	0.0224	0.0228	0.0224	0.0225	0.0227	0.0225	0.0226
2.61	0.0027	0.0016	0.0011	0.0009	0.0008	0.0007	0.0008	0.0009	0.0011	0.0016	0.0027
5.21	0.0003	0.0001	0	0	0	0	0	0	0	0.0001	0.0003
5.54	0	0	0	0	0	0	0	0	0	0	0
5.59	0	0	0	0	0	0	0	0	0	0	0
7.82	0	0	0	0	0	0	0	0	0	0	0
10.42	0	0	0	0	0	0	0	0	0	0	0
13.03	0	0	0	0	0	0	0	0	0	0	0
15.64	0	0	0	0	0	0	0	0	0	0	0
18.25	0	0	0	0	0	0	0	0	0	0	0
20.86	0	0	0	0	0	0	0	0	0	0	0
23.47	0	0	0	0	0	0	0	0	0	0	0
26.09	0	0	0	0	0	0	0	0	0	0	0
28.70	0	0	0	0	0	0	0	0	0	0	0
31.32	0	0	0	0	0	0	0	0	0	0	0
33.93	0	0	0	0	0	0	0	0	0	0	0
36.55	0	0	0	0	0	0	0	0	0	0	0
39.17	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.31	0	0	0	0	0	0	0	0	0	0	0
41.36	0	0	0	0	0	0	0	0	0	0	0
41.79	0.0003	0.0001	0	0	0	0	0	0	0	0.0001	0.0003
44.41	0.0027	0.0016	0.0011	0.0009	0.0008	0.0007	0.0008	0.0009	0.0011	0.0016	0.0027
47.03	0.0226	0.0225	0.0227	0.0225	0.0224	0.0228	0.0224	0.0225	0.0227	0.0225	0.0226
49.65	0.0977	0.1198	0.1347	0.1459	0.1527	0.1550	0.1527	0.1459	0.1347	0.1198	0.0977
52.27	0.1874	0.2329	0.2632	0.2855	0.2992	0.3039	0.2992	0.2855	0.2632	0.2329	0.1874
54.89	0.2735	0.3403	0.3847	0.4174	0.4375	0.4442	0.4375	0.4174	0.3847	0.3403	0.2735
57.51	0.3516	0.4375	0.4946	0.5366	0.5624	0.5711	0.5624	0.5366	0.4946	0.4375	0.3516
60.12	0.4190	0.5214	0.5894	0.6395	0.6702	0.6806	0.6702	0.6395	0.5894	0.5214	0.4190
62.74	0.4737	0.5894	0.6663	0.7230	0.7577	0.7694	0.7577	0.7230	0.6663	0.5894	0.4737
65.36	0.5140	0.6395	0.7230	0.7845	0.8222	0.8349	0.8222	0.7845	0.7230	0.6395	0.5140
67.97	0.5387	0.6702	0.7577	0.8222	0.8616	0.8749	0.8616	0.8222	0.7577	0.6702	0.5387
70.58	0.5470	0.6806	0.7694	0.8349	0.8749	0.8884	0.8749	0.8349	0.7694	0.6806	0.5470
73.20	0.5387	0.6702	0.7577	0.8222	0.8616	0.8749	0.8616	0.8222	0.7577	0.6702	0.5387
75.81	0.5140	0.6395	0.7230	0.7845	0.8222	0.8349	0.8222	0.7845	0.7230	0.6395	0.5140
78.42	0.4737	0.5894	0.6663	0.7230	0.7577	0.7694	0.7577	0.7230	0.6663	0.5894	0.4737
81.02	0.4190	0.5214	0.5894	0.6395	0.6702	0.6806	0.6702	0.6395	0.5894	0.5214	0.4190
83.63	0.3516	0.4375	0.4946	0.5366	0.5624	0.5711	0.5624	0.5366	0.4946	0.4375	0.3516
86.24	0.2735	0.3403	0.3847	0.4174	0.4375	0.4442	0.4375	0.4174	0.3847	0.3403	0.2735
88.84	0.1874	0.2329	0.2632	0.2855	0.2992	0.3039	0.2992	0.2855	0.2632	0.2329	0.1874
91.45	0.0977	0.1198	0.1347	0.1459	0.1527	0.1550	0.1527	0.1459	0.1347	0.1198	0.0977
94.05	0.0226	0.0225	0.0227	0.0225	0.0224	0.0228	0.0224	0.0225	0.0227	0.0225	0.0226
	ORBITAL AVERAGE ALBEDO FROM FACTORS										
	0.1753	0.2175	0.2457	0.2664	0.2791	0.2834	0.2791	0.2664	0.2457	0.2175	0.1753

LONG DURATION EXPOSURE FACILITY

AVERAGE INCIDENT ALBEDO VIEW FACTORS

LOC	BETA ANGLE										
	-52	-40	-30	-20	-10	0	10	20	30	40	52
ROW 1	.0449	.0594	.0697	.0778	.0837	.0871	.0878	.0859	.0814	.0745	.0634
ROW 2	.0478	.0619	.0717	.0793	.0846	.0873	.0870	.0848	.0797	.0722	.0605
ROW 3	.0517	.0648	.0737	.0804	.0846	.0863	.0854	.0818	.0759	.0676	.0551
ROW 4	.0554	.0673	.0751	.0805	.0836	.0841	.0821	.0776	.0708	.0618	.0487
ROW 5	.0603	.0715	.0785	.0832	.0853	.0850	.0820	.0766	.0689	.0592	.0452
ROW 6	.0635	.0745	.0812	.0855	.0873	.0865	.0830	.0771	.0689	.0586	.0441
ROW 7	.0634	.0745	.0814	.0859	.0878	.0871	.0837	.0778	.0697	.0594	.0449
ROW 8	.0605	.0723	.0797	.0848	.0874	.0873	.0846	.0793	.0717	.0619	.0478
ROW 9	.0551	.0677	.0759	.0819	.0854	.0863	.0846	.0804	.0737	.0649	.0517
ROW 10	.0487	.0619	.0708	.0776	.0821	.0841	.0836	.0806	.0751	.0674	.0554
ROW 11	.0452	.0592	.0689	.0766	.0800	.0850	.0854	.0832	.0785	.0715	.0603
ROW 12	.0441	.0586	.0689	.0771	.0830	.0865	.0873	.0855	.0812	.0745	.0635
EARTH	.1753	.2175	.2457	.2664	.2791	.2834	.2791	.2664	.2457	.2175	.1753

LDEF POST-FLIGHT THERMAL ANALYSIS
SOLAR ILLUMINATION DATA PACKAGE

ORBIT ANGLE

ORBIT BETA ANGLE
- FULL MISSION
- 1 YEAR INTERVALS

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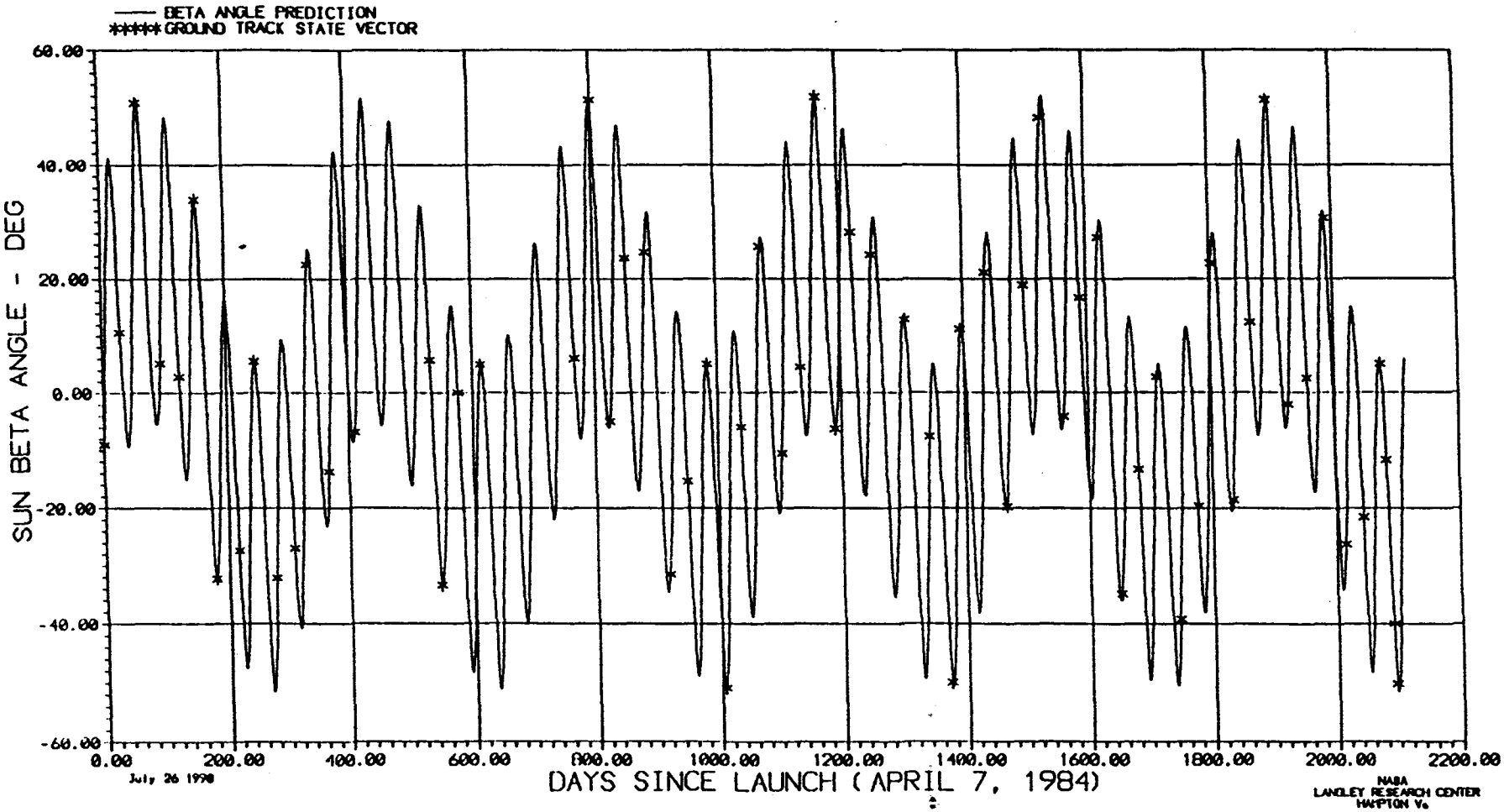
LONG DURATION EXPOSURE FACILITY

BETA ANGLE HISTORY; APRIL 7, 1984 - JANUARY 20, 1990



LONG DURATION EXPOSURE FACILITY

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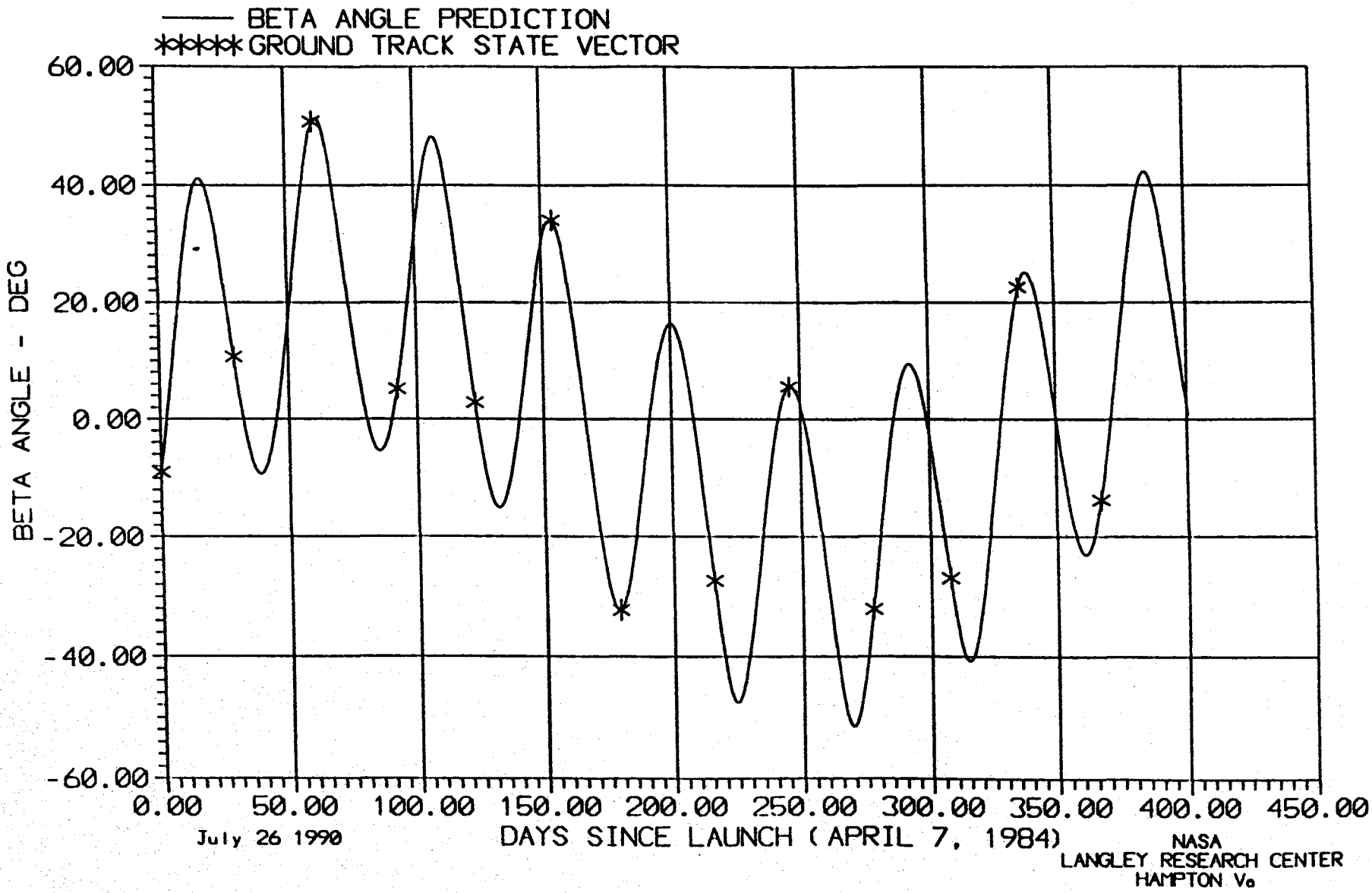
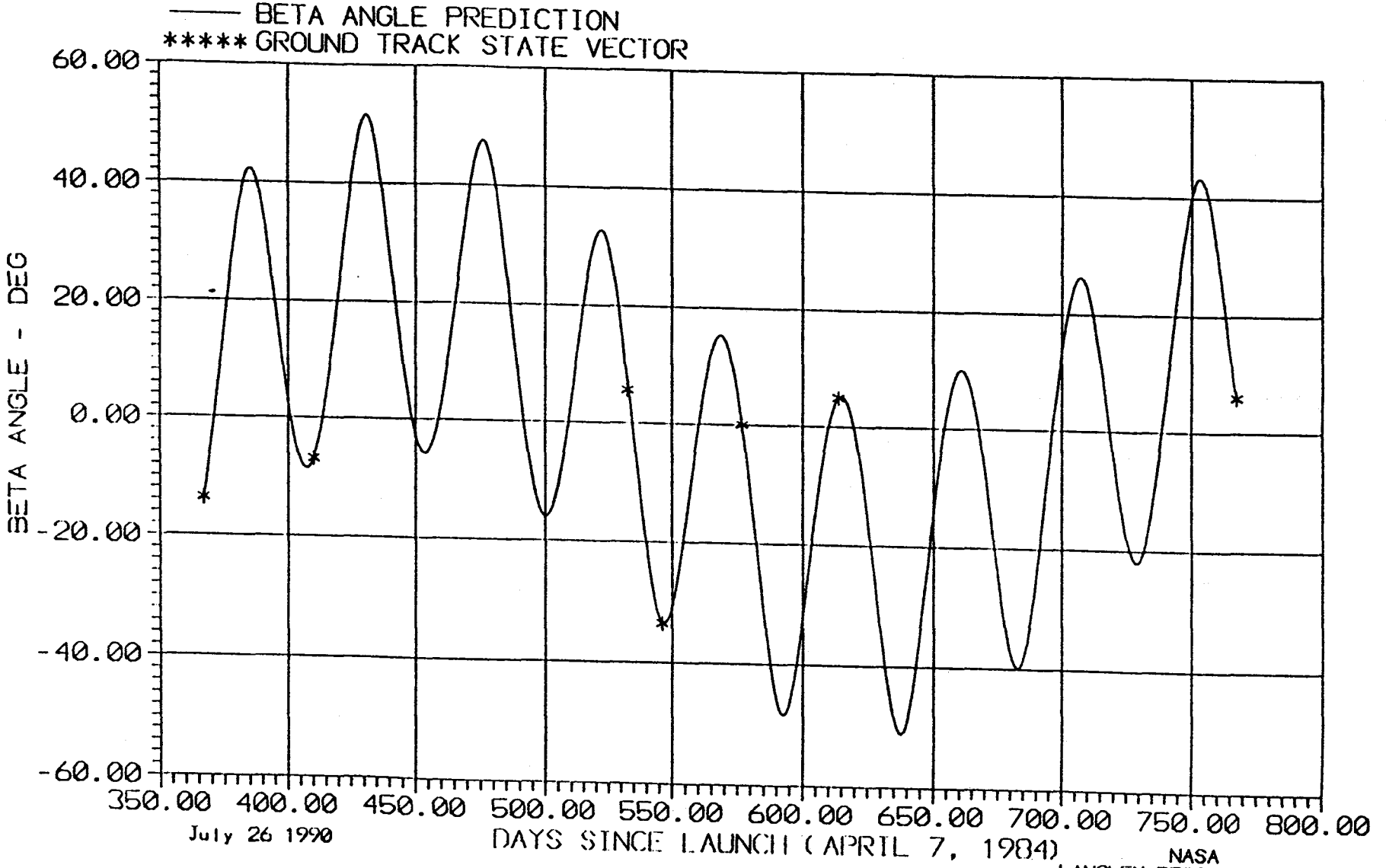


LONG DURATION EXPOSURE FACILITY

BETA ANGLE; APRIL 9, 1985 - MAY 14, 1986



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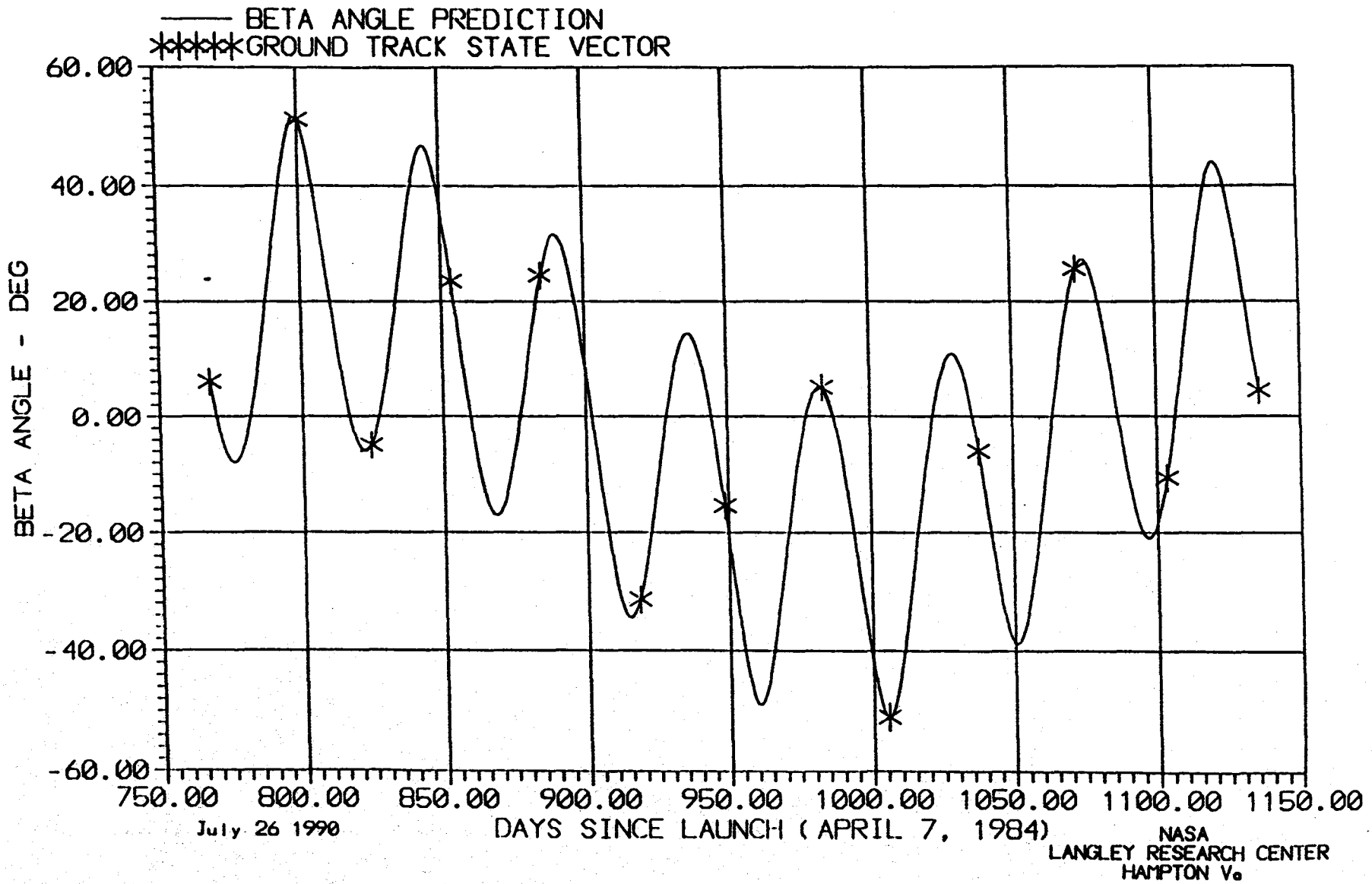
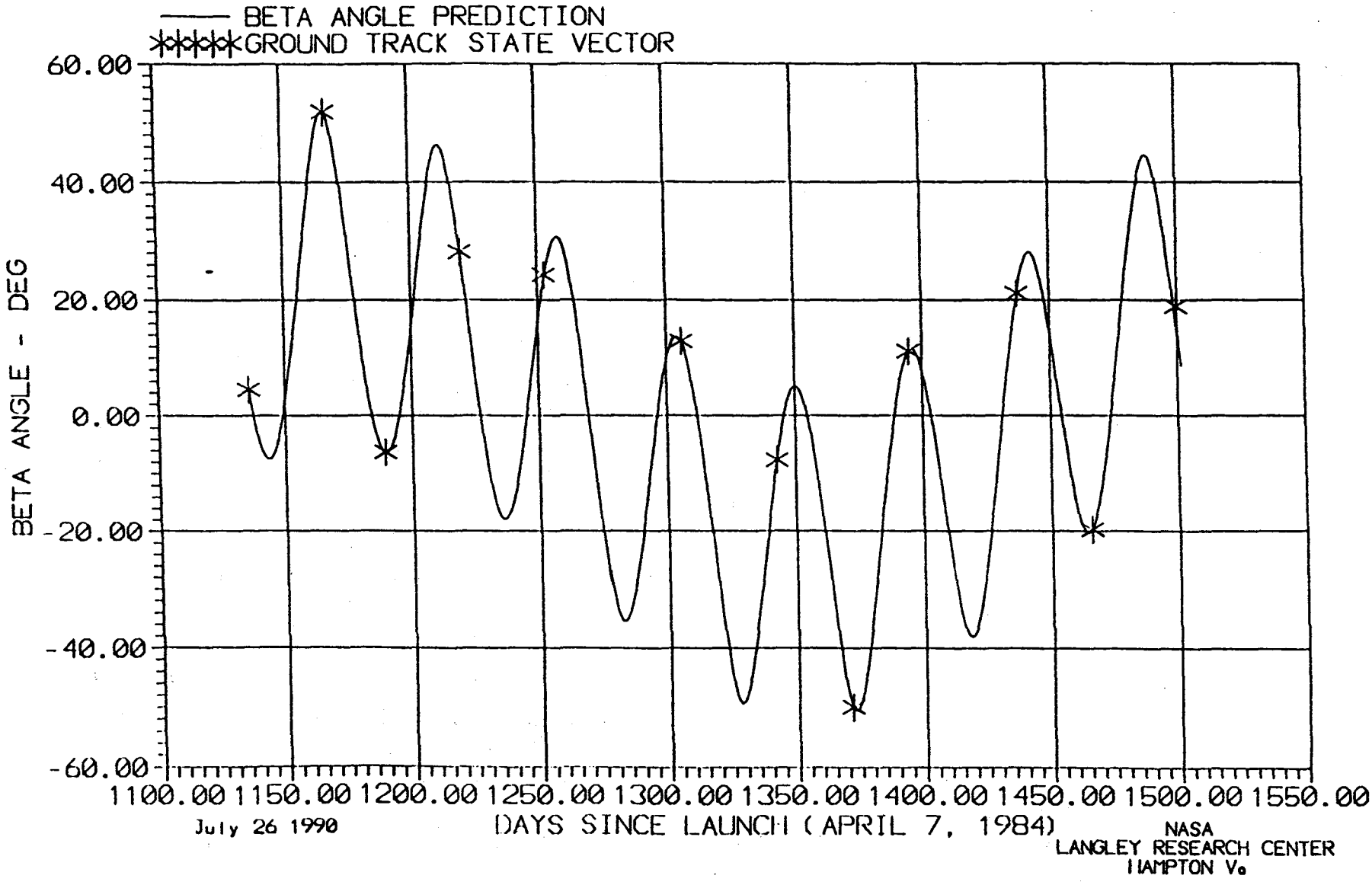
LONG DURATION EXPOSURE FACILITY

BETA ANGLE: MAY 14, 1986 - MAY 18, 1987



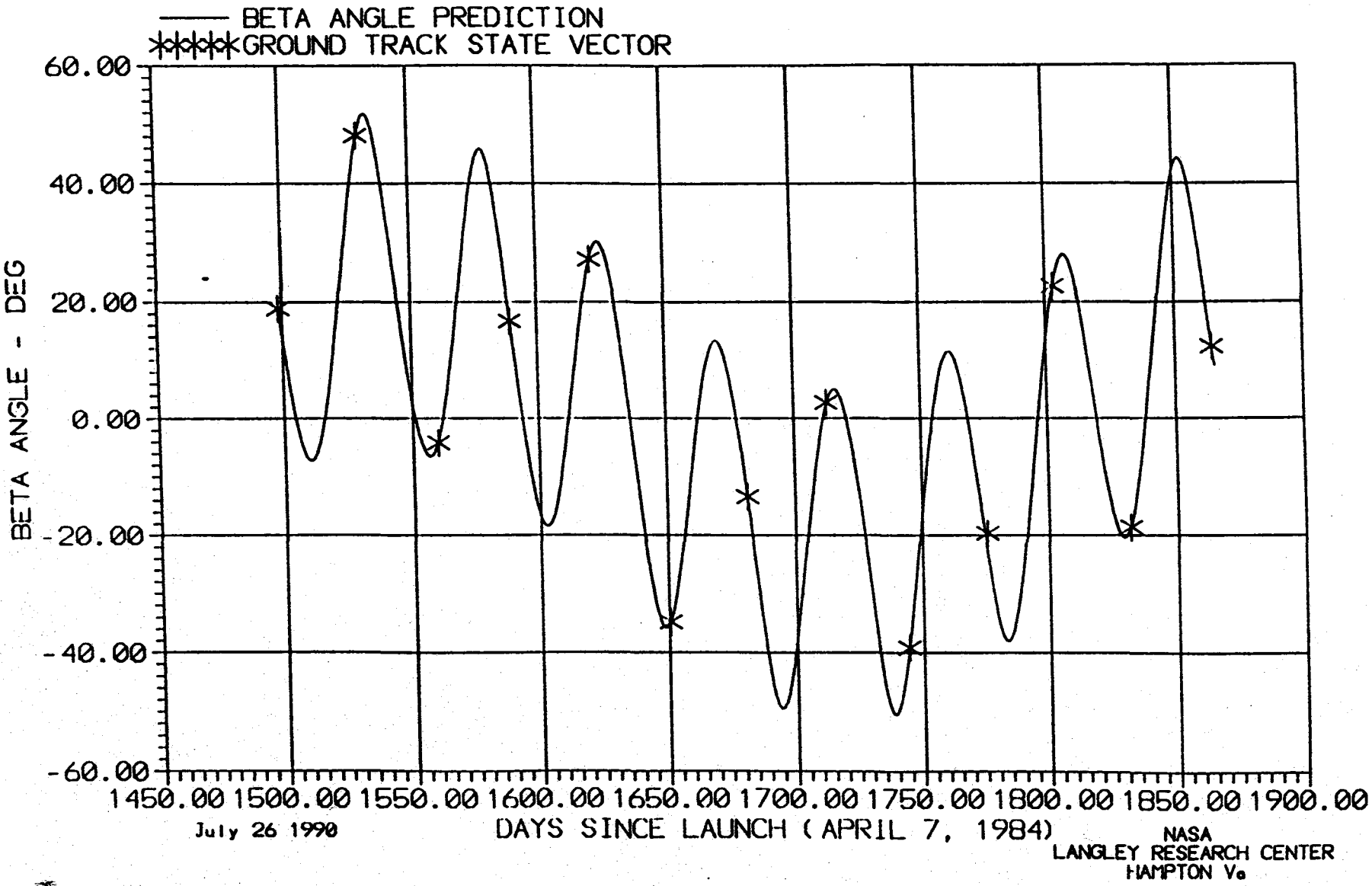
LONG DURATION EXPOSURE FACILITY

BETA ANGLE; MAY 18, 1987 - MAY 18, 1988



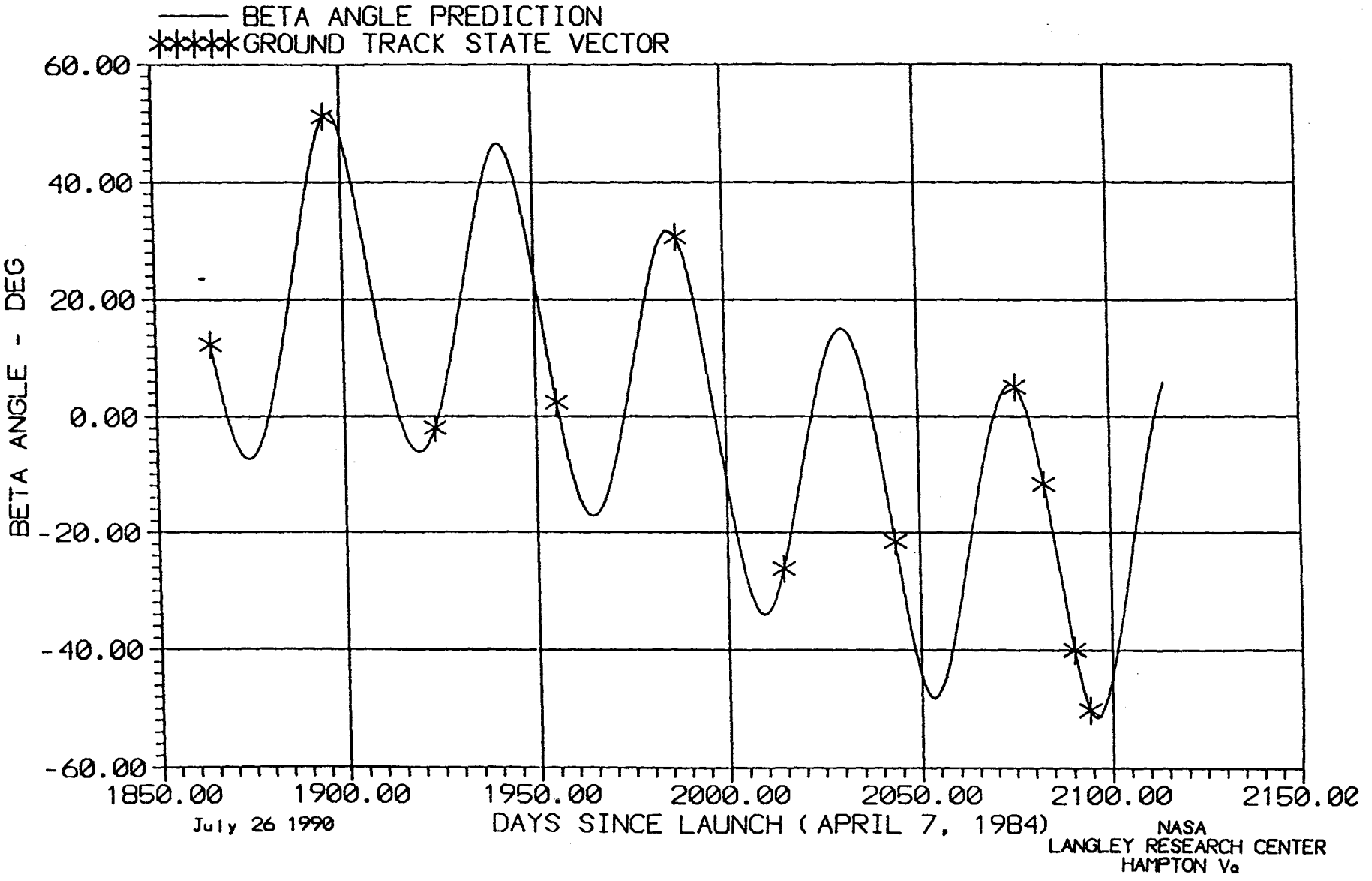
LONG DURATION EXPOSURE FACILITY

BETA ANGLE; MAY 15, 1988 - MAY 15, 1989



LONG DURATION EXPOSURE FACILITY

BETA ANGLE; MAY 15, 1989 TO JANUARY 20, 1990



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